

Cloud-Clone Multiplex Assay Kits

DISEASE RESEARCH MANUAL



Cloud-Clone Corp. is a Houston-based biotechnology company with a production base in Wuhan, China. Specializing in life science research reagents and animal experiment services, the company offers 17,000+ proteins, 26,000+ antibodies, and 8,000+ immunoassay kits. ISO 9001 and ISO 13485 certified, its products are exported to Europe and the US. Its animal research subsidiary features a 1,200 sq.m. facility (847sq.m. SPF-grade) providing various experimental animals and models, along with CRO services covering drug screening, pharmacokinetics, toxicology, and pharmacology.



Reagents

Product Customization Service

Proteins

- ✓ 4 Expression Platforms
- ✓ Active/Natural/Recombinant protein...
- ✓ Covering cytokines, chemokine, hormone...

Antibodies

- ✓ 26,000+ validated primary & secondary antibodies
- ✓ High Specificity
- ✓ Comprehensive Antibody Types

ELISA Kits



- ✓ Sandwich/Competition/Instant/Mini Sample...

Multiplex Assay Kits



- ✓ 7,000+ targets/Flexible/1-3 weeks delivering



Samples

400+ Primary cells



1000+ Animal models

100+ Cell lines

Tissue blocks & tissue chips



Services

Animal Experiment Customization Service

CRO Services

- ✓ Three SPF animal houses with a total area of over 1,200m²
- ✓ Possess qualification for production and use of animals



33,000+ Citations

Over 300 citations published on top journals such as NATURE, CELL and SCIENCE have used Cloud-Clone products.

Journal of Clinical Oncology[®]
An American Society of Clinical Oncology Journal

THE AFRICAN JOURNAL OF
NATURAL
MEDICINE

The NEW ENGLAND
JOURNAL of MEDICINE



CiteAb

ELISA kit supplier to watch in 2020
Cloud-Clone Corp

nature
biotechnology

CellPress

nature International weekly journal of science

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Cloud-Clone Multiplex Assay Kits

based on Luminex | Flow Cytometer Platforms

7,000+
Targets



1-3
Weeks
delivering

Flexible

Cloud-Clone Multiplex Assay Kits, based on Multiplex xMAP technology, enable to make rapid and efficient analysis of multiple targets in a single well. Compared to ELISA, Multiplex Assay Kit can provide more data from each sample, such as plasma, serum, tissue homogenates, cell culture supernates, etc. Which is a key feature when sample volume is limited. Furthermore, you could be achieved with a more comprehensive study of protein signaling in precious samples through a single trial.

6S Advantages

Selected

Premium antibody pairs

Strict

Stringent quality control

Stable

Highly reproducible results

Speediness

Convenient and time-saving

Saving

Sample-saving

Standard

Standard calibration

4+4 Quality Control Standard

4 QC Standards for Exceptional Quality

Standard Curve

Double logarithmic fitting

Linearity

80-120%

Recovery

80-120%

Precision

<10%

4 Application Validations for Enhanced Reproducibility

Detection Range

Specificity

Applicable Samples

Sensitivity

Application Field

Oncology Research

Cytokines

Signaling Pathway

Disease Biomarkers

...

Autoimmune Diseases

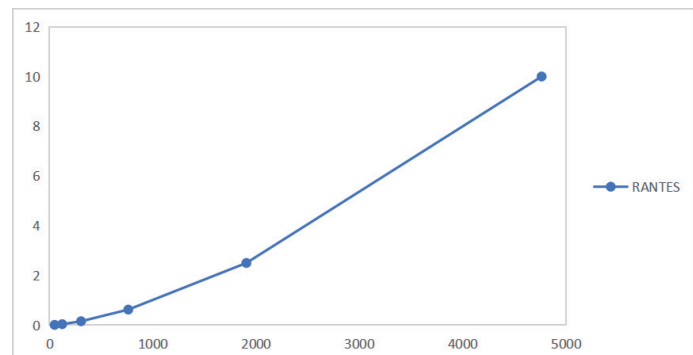
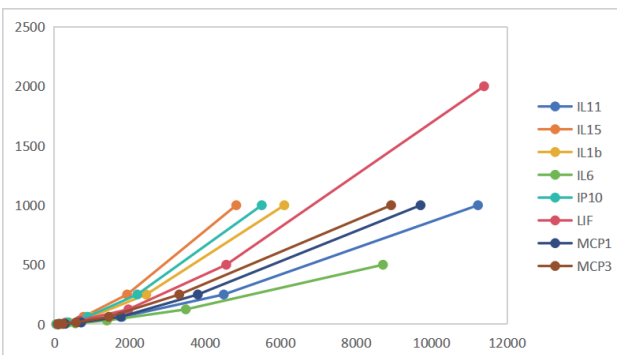
Autoimmune disease (AID) refers to the phenomenon where the body's immune system mounts an immune response against its own tissue cells. When such an immune response leads to cellular destruction or tissue damage, accompanied by clinical symptoms, it is termed an autoimmune disease. Any of a group of conditions or disorders that result from immune system malfunction, in which immune components react against the body's own normal cells. Autoimmune diseases are divided into two classes: organ-specific and systemic. An organ-specific disease is one in which an immune response is directed against antigens in a single organ; examples include Addison's disease, in which autoantibodies attack the adrenal cortex, and myasthenia gravis, in which they attack neuromuscular cells. In systemic diseases, the immune system attacks self-antigens in multiple organs. Systemic lupus erythematosus (SLE), for example, is characterized by inflammation of the skin, joints, kidneys, among with other organs.

The clinical core of autoimmune diseases (e.g., SLE and rheumatoid arthritis) lies in achieving precise diagnosis, activity assessment, and prognosis monitoring through specific antibodies (e.g., anti-dsDNA, rheumatoid factor (RF)) and complement components (C3/C4). Key indicators include: antinuclear antibodies (ANA) for broad-spectrum screening, anti-Sm antibodies (highly specific for SLE), and anti-SSA/SSB antibodies (indicative of Sjögren's syndrome), while cytokines like interleukin-6 (IL-6) dynamically reflect inflammatory status. Testing must integrate multi-dimensional clinical analysis for individualized treatment. Pathological damage and functional impairment are confined to specific organs targeted by antibodies or sensitized lymphocytes, as seen in chronic lymphocytic thyroiditis, Graves' disease, type 1 diabetes mellitus, and myasthenia gravis.

Cloud-Clone Multiplex Assay Kit Detection Cases for Autoimmune Diseases

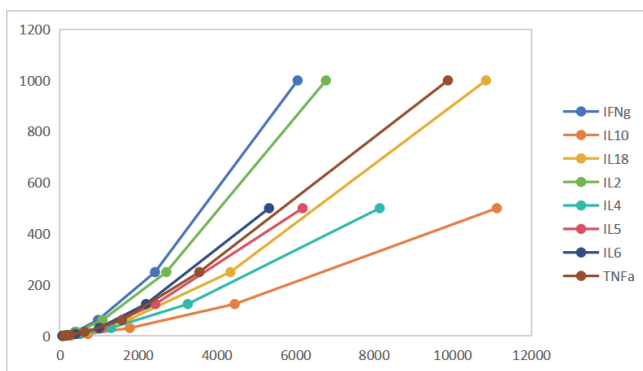
IS135-121

Multiplex Assay Kit for Human IL11, IL15, IL1b, IL6, IP10, LIF, MCP1, MCP3, RANTES, 9-Plex



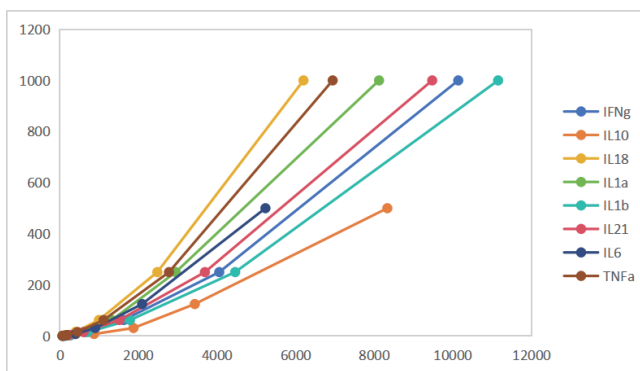
IS135-202

Multiplex Assay Kit for Mouse IFNg, IL10, IL18, IL2, IL4, IL5, IL6, TNFa, 8-Plex



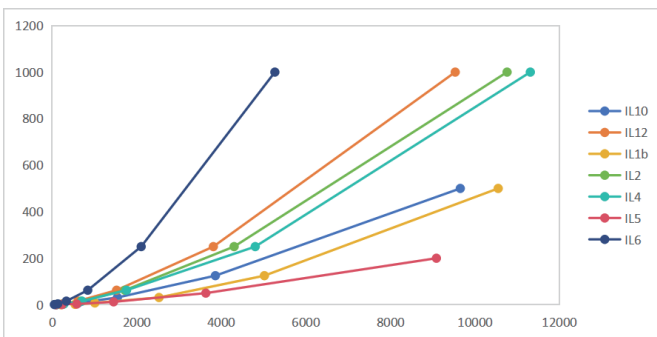
IS135-262

Multiplex Assay Kit for Rat IFNg, IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex



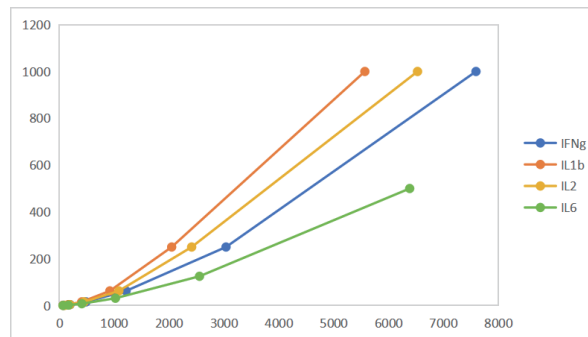
IS135-20

Multiplex Assay Kit for Gallus IL10, IL12, IL1b, IL2, IL4, IL5, IL6, 7-Plex



IS135-267

Multiplex Assay Kit for Sheep IFNg, IL1b, IL2, IL6, 4-Plex



Cloud-Clone Multiplex Assay Kit Plex for Autoimmune Diseases

Product	Product Name	Contents	Research Field
IS135-1	Multiplex Assay Kit for Mouse IL1b, IL2, IL6, IL10, IL17, IL22, TNFa, 7-Plex	LMA563Mu, LMA073Mu, LMA079Mu, LMA056Mu, LMA063Mu, LMC032Mu, LMA133Mu	Chronic Periodontitis / Inflammatory Bowel Disease / Rheumatoid Arthritis / Vitiligo / Parkinson's Disease / Asthma
IS135-5	Multiplex Assay Kit for Human IFNg, IL6, 2-Plex	LMA049Hu, LMA079Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Colorectal Cancer / Endometriosis / Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-6	Multiplex Assay Kit for Human MIP1b, IFNg, 2-Plex	LMA093Hu, LMA049Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Multiple Sclerosis / Autism Spectrum Disorder / Chronic Bronchitis / Multiple Myeloma
IS135-8	Multiplex Assay Kit for Mouse IL1b, IL6, IL10, TNFa, 4-Plex	LMA563Mu, LMA079Mu, LMA056Mu, LMA133Mu	Alzheimer's Disease / Osteoarthritis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Prostate Cancer / Sarcopenia

IS135-9	Multiplex Assay Kit for Mouse IL1b, IL4, IL6, IL12, IL13, IL15, TNFa, 7-Plex	LMA563Mu, LMA077Mu, LMA079Mu, LMA111Mu, LMA060Mu, LMA061Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Cytokine Storm Syndrome / Atherosclerosis / Periodontitis / Alzheimer's Disease / Primary Myelofibrosis
IS135-10	Multiplex Assay Kit for Mouse CCL5, IL1a, TNFa, CXCL10, CXCL11, IFN-beta, 6-Plex	LMA116Mu, LMA071Mu, LMA133Mu, LMA371Mu, LMC071Mu, LMA222Mu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Multiple Sclerosis / Type 1 Diabetes / Melanoma / Breast Cancer
IS135-14	Multiplex Assay Kit for Rat Eotaxin (CCL11), GRO alpha (CXCL1), IP-10 (CXCL10), MCP-1 (CCL2, MCP-3 (CCL7), MIP-1 alpha (CCL3, MIP-2, RANTES (CCL5), 8-Plex	LMA025Ra, LMA041Ra, LMA371Ra, LMA087Ra, LMA089Ra, LMA092Ra, LMB603Ra, LMA116Ra	Asthma / Atopic Dermatitis / Chronic Obstructive Pulmonary Disease / Autoimmune Hepatitis / Multiple Sclerosis / Rheumatoid Arthritis / Acute Lung Injury / Neurodevelopmental Disorders
IS135-15	Multiplex Assay Kit for Human GM-CSF, IFNg, IL2, IL4, IL6, IL8, IL10, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA073Hu, LMA077Hu, LMA079Hu, LMA080Hu, LMA056Hu, LMA133Hu	Chronic Hepatitis / Rheumatoid Arthritis / Autoimmune Hepatitis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Alzheimer's Disease / Schizophrenia / Periodontitis / Gastric Cancer / Hepatocellular Carcinoma
IS135-16	Multiplex Assay Kit for Mouse IFN alpha, IFN beta, 2-Plex	LMA033Mu, LMA222Mu	Chronic Hepatitis B / Chronic Hepatitis C / Systemic Lupus Erythematosus / Multiple Sclerosis / Rheumatoid Arthritis / Renal Cell Carcinoma / Melanoma / Multiple Myeloma / Lung Cancer / Hepatocellular Carcinoma
IS135-17	Multiplex Assay Kit for Human MMP-1, MMP-2, MMP-7, MMP-9, MMP-10, 5-Plex	LMA097Hu, LMA100Hu, LMA102Hu, LMA553Hu, LMA098Hu	Pulmonary Fibrosis / Pulmonary Emphysema / Atherosclerosis / Myocardial Infarction / Osteoarthritis / Rheumatoid Arthritis / Multiple Sclerosis / Parkinson's Disease / Alzheimer's Disease / Inflammatory Bowel Disease / Liver Cancer / Periodontal Disease
IS135-18	Multiplex Assay Kit for Human MMP-2, MMP-3, MMP-9, 3-Plex	LMA100Hu, LMA101Hu, LMA553Hu	Colorectal Cancer / Breast Cancer / Laryngeal Cancer / Bladder Cancer / Cervical Cancer / Thyroid Cancer / Lung Cancer / Mesothelioma / Atherosclerosis / Coronary Artery Aneurysm / Hypertension / Alzheimer's Disease / Multiple Sclerosis / Parkinson's Disease / Rheumatoid Arthritis / Periodontitis / Chronic Liver Disease / Inflammatory Bowel Disease / Meningitis
IS135-19	Multiplex Assay Kit for Gallus IFNa, IFNg, IL15, IL17, IL18, MIP1b, TNFa, 7-Plex	LMA033Ga, LMA049Ga, LMA061Ga, LMA063Ga, LMA064Ga, LMA093Ga, LMA133Ga	Systemic Lupus Erythematosus / Psoriasis / Rheumatoid Arthritis / Hepatitis / Breast Cancer
IS135-20	Multiplex Assay Kit for Gallus IL10, IL12, IL1b, IL2, IL4, IL5, IL6, 7-Plex	LMA056Ga, LMA111Ga, LMA563Ga, LMA073Ga, LMA077Ga, LMA078Ga, LMA079Ga	AIDS / Inflammatory Bowel Disease / Sepsis / Rheumatoid Arthritis / Urticaria / Allergic Asthma
IS135-24	Multiplex Assay Kit for Guinea pig IFNa, IFNg, IL10, IL2, IL6, IL8, MCP1, RANTES, TNFa, 9-Plex	LMA033Gu, LMA049Gu, LMA056Gu, LMA073Gu, LMA079Gu, LMA080Gu, LMA087Gu, LMA116Gu, LMA133Gu	Rheumatoid Arthritis / Enteritis
IS135-42	Multiplex Assay Kit for Human AREG, GMCSF, IFNg, IL10, IL12, IL13, IL17, IL1b, IL22, IL5, IL6, TNFa, 12-Plex	LMA006Hu, LMA045Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA060Hu, LMA063Hu, LMA563Hu, LMC032Hu, LMA078Hu, LMA079Hu, LMA133Hu	Systemic Lupus Erythematosus / Rheumatoid Arthritis
IS135-45	Multiplex Assay Kit for Human Bax, GAL3, IL1R2, IL4R, 4-Plex	LMB343Hu, LMA303Hu, LMA065Hu, LMC031Hu	Rheumatoid Arthritis / Sepsis / Alzheimer's Disease

IS135-54	Multiplex Assay Kit for Human C1s, C7, CRP, ICAM1, MPO, PAP, VCAM1, vWF, a2PI, 9-Plex	LMB674Hu, LMA731Hu, LMA821Hu, LMA548Hu, LMA601Hu, LMA832Hu, LMA547Hu, LMA833Hu, LMA160Hu	Atherosclerosis / Coronary Heart Disease / Rheumatoid Arthritis
IS135-55	Multiplex Assay Kit for Human C3a, C4a, 2-Plex	LMA387Hu, LMA389Hu	Systemic Lupus Erythematosus / IgA Nephropathy / Henoch-Schonlein Purpura Nephritis / Lyme Disease / Chronic Obstructive Pulmonary Disease / Heart Failure
IS135-57	Multiplex Assay Kit for Human CASP1, CASP4, CASP5, GSDMD, NLRP3, 6-Plex	LMB592Hu, LMB735Hu, LMA770Hu, LME529Hu, LML954Hu, LMK115Hu	Ankylosing Spondylitis / Rheumatoid Arthritis / Multiple Sclerosis / COVID-19 / Pneumonia
IS135-60	Multiplex Assay Kit for Human CD14, IL6, LEP, MCP1, TNFa, 6-Plex	LMA685Hu, LMA079Hu, LMA084Hu, LMA087Hu, LMA133Hu	Diabetes / Atherosclerosis / Inflammatory Bowel Disease / Rheumatoid Arthritis
IS135-63	Multiplex Assay Kit for Human CDH5, ICAM1, PECAM1, SELE, SELP, VCAM1, 6-Plex	LMB366Hu, LMA548Hu, LMA363Hu, LMA029Hu, LMA569Hu, LMA547Hu	Coronary Artery Disease / Stroke / Rheumatoid Arthritis / Melanoma
IS135-68	Multiplex Assay Kit for Human COMP, IL1b, IL1RA, IL6, TIMP2, 5-Plex	LMB197Hu, LMA563Hu, LMA223Hu, LMA079Hu, LMA128Hu	Osteoarthritis / Systemic Lupus Erythematosus / Lung Cancer / Gastric Cancer / Bladder Cancer
IS135-69	Multiplex Assay Kit for Human CRaf, IL18, IL1b, IkbA, PTEN, 5-Plex	LMC232Hu, LMA064Hu, LMA563Hu, LMB848Hu, LMF822Hu	Autoimmune Diseases / Developmental Disorders / Rheumatoid Arthritis
IS135-88	Multiplex Assay Kit for Human GCSF, IFNg, IL10, IL12, IL13, IL17, IL1a, IL1b, IL6, IL8, MCP1, MIP1a, MIP1b., 13-Plex	LMA042Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA060Hu, LMA063Hu, LMA071Hu, LMA563Hu, LMA079Hu, LMA080Hu, LMA087Hu, LMA092Hu, LMA093Hu	Leukemia / Rheumatoid Arthritis / Inflammatory Bowel Disease / Multiple Sclerosis / Systemic Lupus Erythematosus / Psoriasis
IS135-92	Multiplex Assay Kit for Human GMCSF, IFNg, IL10, IL19, IL4, IL6, IL8, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA056Hu, LMB190Hu, LMA077Hu, LMA079Hu, LMA080Hu, LMA133Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Oral Squamous Cell Carcinoma
IS135-93	Multiplex Assay Kit for Human GMCSF, IFNg, IL10, IL8, ITaC, MIP1a, MIP1b, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA056Hu, LMA080Hu, LMC071Hu, LMA092Hu, LMA093Hu, LMA133Hu	Active Vitiligo / Alzheimer's Disease / Multiple Sclerosis / Systemic Lupus Erythematosus
IS135-95	Multiplex Assay Kit for Human GZMA, GZMB, IFNg, IL10, IL13, IL2, IL6, IL7, 8-Plex	LMA599Hu, LMA600Hu, LMA049Hu, LMA056Hu, LMA060Hu, LMA073Hu, LMA079Hu, LMA662Hu	Rheumatoid Arthritis / Airway Inflammation / Fibrosis / Type 2 Diabetes / Sepsis / Systemic Lupus Erythematosus / Vitiligo / Breast Cancer / Acute Necrotizing Encephalopathy / Periodontitis / Hematological Tumor Inflammation
IS135-96	Multiplex Assay Kit for Human HGF, MMP1, MMP12, RAGE, SPD, 5-Plex	LMA047Hu, LMA097Hu, LMA402Hu, LMA645Hu, LMB039Hu	Cardiovascular Diseases / Colorectal Cancer / Rheumatoid Arthritis / Head and Neck Squamous Cell Carcinoma / Oral Cancer / Inflammatory Bowel Disease / Alzheimer's Disease
IS135-99	Multiplex Assay Kit for Human IFNa, IFNg, IL10, IL12, IL17, IL1b, IL2, IL4, IL5, IL6, IL8, TNFa, 12-Plex	LMA033Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA063Hu, LMA563Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu, LMA133Hu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Periodontitis / Diabetes / Alzheimer's Disease / Parkinson's Disease
IS135-100	Multiplex Assay Kit for Human IFNa, IL4, TNFa, 3-Plex	LMA033Hu, LMA077Hu, LMA133Hu	Melanoma / Systemic Lupus Erythematosus / Allergic Rhinitis

IS135-101	Multiplex Assay Kit for Human IFN γ , IL10, IL12, IL6, TNF α , 5-Plex	LMA049Hu, LMA056Hu, LMA111Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection
IS135-102	Multiplex Assay Kit for Human IFN γ , IL10, IL17, IL2, IL6, TNF α , 6-Plex	LMA049Hu, LMA056Hu, LMA063Hu, LMA073Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection of HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis
IS135-103	Multiplex Assay Kit for Human IFN γ , IL10, IL18, IL1 α , IL1 β , IL21, IL6, TNF α , 8-Plex	LMA049Hu, LMA056Hu, LMA064Hu, LMA071Hu, LMA563Hu, LMB688Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis / Depressive Disorder / Autism
IS135-104	Multiplex Assay Kit for Human IFN γ , IL10, IL1 β , IL2, IL35, IL4, IL6, TNF α , 8-Plex	LMA049Hu, LMA056Hu, LMA563Hu, LMA073Hu, LMC008Hu, LMA077Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / Pneumonia / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Leukemia / Depressive Disorder
IS135-118	Multiplex Assay Kit for Human IL10, IL17, IL18, IL1 β , IL6, MIF, TNF α , 7-Plex	LMA056Hu, LMA063Hu, LMA064Hu, LMA563Hu, LMA079Hu, LMA698Hu, LMA133Hu	Toxoplasma Infection / Psoriasis / Hepatitis / Granulomatous Diseases / Rheumatoid Arthritis
IS135-119	Multiplex Assay Kit for Human IL10, IL1RA, TNF α , 3-Plex	LMA056Hu, LMA223Hu, LMA133Hu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Coronary Artery Disease / Type 1 Diabetes / Sepsis and Post-traumatic Infection / Alzheimer's Disease / Stroke
IS135-120	Multiplex Assay Kit for Human IL10, IL6, NF κ B, 3-Plex	LMA056Hu, LMA079Hu, LMB824Hu	Autoimmune Diseases / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Psoriasis / Multiple Sclerosis
IS135-121	Multiplex Assay Kit for Human IL11, IL15, IL1 β , IL6, IP10, LIF, MCP1, MCP3, RANTES, 9-Plex	LMA057Hu, LMA061Hu, LMA563Hu, LMA079Hu, LMA371Hu, LMA085Hu, LMA087Hu, LMA089Hu, LMA116Hu	Rheumatoid Arthritis
IS135-127	Multiplex Assay Kit for Human IL1 β , IL6, IL8, TNF α , 4-Plex	LMA563Hu, LMA079Hu, LMA080Hu, LMA133Hu	Sepsis / Inflammatory Bowel Disease / Atherosclerosis / Rheumatoid Arthritis / Alzheimer's Disease / Behcet Disease
IS135-128	Multiplex Assay Kit for Human IL1 β , IL6, MCP1, TNF α , 4-Plex	LMA563Hu, LMA079Hu, LMA087Hu, LMA133Hu	Parkinson's Disease / Alzheimer's Disease / Sepsis / Atherosclerosis / Rheumatoid Arthritis
IS135-164	Multiplex Assay Kit for Mouse C1q, C3, C3a, 3-Plex	LMA747Mu, LMA861Mu, LMA387Mu	Multiple Sclerosis / Systemic Lupus Erythematosus / Glomerulonephritis / Atherosclerosis Complement System
IS135-165	Multiplex Assay Kit for Mouse C1q, C3a, C4b, CFb, MBL, 5-Plex	LMA747Mu, LMA387Mu, LMB305Mu, LMC011Mu, LMB480Mu	Systemic Lupus Erythematosus / Atherosclerosis Complement Activation
IS135-167	Multiplex Assay Kit for Mouse CCR4, CCR7, CXCR3, IFN γ , IL17, IL4, IL6, MCSF, 8-Plex	LMB920Mu, LMB647Mu, LMA625Mu, LMA049Mu, LMA063Mu, LMA077Mu, LMA079Mu, LMA090Mu	Psoriasis / Systemic Sclerosis / Systemic Lupus Erythematosus
IS135-176	Multiplex Assay Kit for Mouse CXCL1, GCSF, GMCSF, IFN γ , IL17, MCSF, MIP1 α , MIP3 α , 8-Plex	LMA041Mu, LMA042Mu, LMA045Mu, LMA049Mu, LMA063Mu, LMA090Mu, LMA092Mu, LMA095Mu	Rheumatoid Arthritis / Multiple Sclerosis / Inflammatory Bowel Disease

IS135-178	Multiplex Assay Kit for Mouse CXCL1, IL6, TNFa, 3-Plex	LMA041Mu, LMA079Mu, LMA133Mu	Inflammatory Bowel Disease / Psoriasis / Rheumatoid Arthritis
IS135-192	Multiplex Assay Kit for Mouse GMCSF, IFNg, IL10, IL17, IL1b, IL35, IL4, IL6, 8-Plex	LMA045Mu, LMA049Mu, LMA056Mu, LMA063Mu, LMA563Mu, LMC008Mu, LMA077Mu, LMA079Mu	Rheumatoid Arthritis
IS135-193	Multiplex Assay Kit for Mouse GMCSF, IL17, IL6, TNFa, 4-Plex	LMA045Mu, LMA063Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis
IS135-196	Multiplex Assay Kit for Mouse IFNg, IL1, IL10, IL18, IL1b, IL21, IL6, TNFa, 8-Plex	LMA049Mu, LMA071Mu, LMA056Mu, LMA064Mu, LMA563Mu, LMB688Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Pyohemia
IS135-198	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL17, IL1b, IL33, IL6, PEDF, 8-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA063Mu, LMA563Mu, LMB980Mu, LMA079Mu, LMB972Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis / Psoriatic Arthritis / Multiple Sclerosis / Asthma / Systemic Lupus Erythematosus
IS135-200	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL1b, IL2, IL4, IL6, IP10, TNFa, TNFb, 10-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA563Mu, LMA073Mu, LMA077Mu, LMA079Mu, LMA371Mu, LMA133Mu, LMA134Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / COVID-19 / Influenza / Tuberculosis
IS135-201	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL1b, IL4, IL6, TNFa, 7-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Inflammatory Bowel Disease / COVID-19 / Influenza / Tuberculosis
IS135-202	Multiplex Assay Kit for Mouse IFNg, IL10, IL18, IL2, IL4, IL5, IL6, TNFa, 8-Plex	LMA049Mu, LMA056Mu, LMA064Mu, LMA073Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Asthma / Multiple Sclerosis
IS135-203	Multiplex Assay Kit for Mouse IFNg, IL10, IL1b, IL6, SDF1, TNFa, VEGFA, 7-Plex	LMA049Mu, LMA056Mu, LMA563Mu, LMA079Mu, LMA122Mu, LMA133Mu, LMA143Mu	Inflammatory Bowel Disease / Rheumatoid Arthritis
IS135-204	Multiplex Assay Kit for Mouse IFNg, IL10, IL6, TNFa, 4-Plex	LMA049Mu, LMA056Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Infectious Diseases
IS135-205	Multiplex Assay Kit for Mouse IFNg, IL17F, IL23, IL27, IP10, TNFa, 6-Plex	LMA049Mu, LMB955Mu, LMX262Mu, LMX296Mu, LMA371Mu, LMA133Mu	Psoriasis / Rheumatoid Arthritis
IS135-210	Multiplex Assay Kit for Mouse IL10, IL11, IL17, IL21, IL22, IL23, 6-Plex	LMA056Mu, LMA057Mu, LMA063Mu, LMB688Mu, LMC032Mu, LMX262Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Psoriasis / Inflammatory Bowel Disease
IS135-211	Multiplex Assay Kit for Mouse IL10, IL12, IL1b, IL4, IL6, TNFa, 6-Plex	LMA056Mu, LMA111Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Multiple Sclerosis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Infectious Diseases
IS135-212	Multiplex Assay Kit for Mouse IL10, IL12, IL1b, IL6, TNFa, 5-Plex	LMA056Mu, LMA111Mu, LMA563Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Multiple Sclerosis / Infectious Diseases / Type 2 Diabetes
IS135-213	Multiplex Assay Kit for Mouse IL10, IL12B, IL13, IL17, IL4, IL5, IL6, IL8, 8-Plex	LMA056Mu, LMA058Mu, LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA080Mu	Rheumatoid Arthritis / Asthma / Inflammatory Bowel Disease / Infectious Diseases

IS135-214	Multiplex Assay Kit for Mouse IL10, IL13, IL1A, IL1B, IL4, IL5, IL6, RANTES, 8-Plex	LMA056Mu, LMA060Mu, LMA071Mu, LMA563Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA116Mu	Asthma / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Psoriasis
IS135-215	Multiplex Assay Kit for Mouse IL10, IL17, IL1a, IL1b, IL6, MCP1, TNFa, 7-Plex	LMA056Mu, LMA063Mu, LMA071Mu, LMA563Mu, LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Diabetes / Infectious Diseases / Periodontitis
IS135-216	Multiplex Assay Kit for Mouse IL10, IL17, IL1b, IL6, MCP1, TGFb1, TNFa, 7-Plex	LMA056Mu, LMA063Mu, LMA563Mu, LMA079Mu, LMA087Mu, LMA124Mu, LMA133Mu	Ulcerative Colitis / Rheumatoid Arthritis / Non-alcoholic Fatty Liver Disease / Chronic Sinusitis / Endometriosis
IS135-217	Multiplex Assay Kit for Mouse IL10, IL17, IL22, 3-Plex	LMA056Mu, LMA063Mu, LMC032Mu	Rheumatoid Arthritis / Ulcerative Colitis / Alopecia Areata / Psoriasis
IS135-219	Multiplex Assay Kit for Mouse IL10, IL1b, IL4, PDGFBB, PDGFRb, TAN1, TNFa, VEGFA, 8-Plex	LMA056Mu, LMA563Mu, LMA077Mu, LMA633Mu, LMC061Mu, LMG797Mu, LMA133Mu, LMA143Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Sepsis
IS135-221	Multiplex Assay Kit for Mouse IL12, IL18, IL2, IL7, MCP1, TNFa, VEGFA, 7-Plex	LMA111Mu, LMA064Mu, LMA073Mu, LMA662Mu, LMA087Mu, LMA133Mu, LMA143Mu	Systemic Lupus Erythematosus / Alcoholic Liver Disease / Liver Injury after COVID-19
IS135-222	Multiplex Assay Kit for Mouse IL12, IL1b, IL6, MCSF, TNFa, 5-Plex	LMA111Mu, LMA563Mu, LMA079Mu, LMA090Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis and Psoriatic Arthritis / Systemic Lupus Erythematosus
IS135-223	Multiplex Assay Kit for Mouse IL13, IL17, IL4, IL5, TNFa, 5-Plex	LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu, LMA133Mu	Psoriasis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Type 2 Diabetes
IS135-224	Multiplex Assay Kit for Mouse IL17, IL1b, IL33, IL6, MCP1, MCP3, TNFa, 7-Plex	LMA063Mu, LMA563Mu, LMB980Mu, LMA079Mu, LMA087Mu, LMA089Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease
IS135-227	Multiplex Assay Kit for Mouse IL1b, IL6, TNFa, 3-Plex	LMA563Mu, LMA079Mu, LMA133Mu	Alzheimer's Disease / Vascular Dementia / Rheumatoid Arthritis / Ankylosing Spondylitis / Inflammatory Bowel Disease / Osteoarthritis / Malaria Infection / Autoimmune Hepatitis
IS135-228	Multiplex Assay Kit for Mouse IL1b, TNFa, 2-Plex	LMA563Mu, LMA133Mu	Intervertebral Disc Degeneration / Rheumatoid Arthritis / Type 2 Diabetes / Alzheimer's Disease / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease
IS135-230	Multiplex Assay Kit for Mouse IL6, MCP1, TNFa, 3-Plex	LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Atherosclerosis / Obesity-related Inflammation / Systemic Lupus Erythematosus / Neuroinflammation and Cognitive Impairment / Brain Aneurysm / Diabetic Nephropathy / Interstitial Lung Disease
IS135-231	Multiplex Assay Kit for Mouse KYN, KYNA, QA, Trp, 4-Plex	LMX300Ge, LMD718Ge, LMK552Ge, LMD720Ge	Severe Depression / Schizophrenia / Systemic Lupus Erythematosus / Chronic Kidney Disease / Coronary Artery Disease / Alzheimer's Disease / Parkinson's Disease / Multiple Sclerosis
IS135-237	Multiplex Assay Kit for Rabbit IFNg, IL10, IL17, IL1a, IL1b, IL2, IL6, IL8, 8-Plex	LMA049Rb, LMA056Rb, LMA063Rb, LMA071Rb, LMA563Rb, LMA073Rb, LMA079Rb, LMA080Rb	Inflammatory Bowel Disease / Sepsis / Rheumatoid Arthritis / Psoriasis / Systemic Lupus Erythematosus / Viral Infection

IS135-238	Multiplex Assay Kit for rabbit IFN γ , IL10, IL2, IL6, TNF α , 5-Plex	LMA049Rb, LMA056Rb, LMA073Rb, LMA079Rb, LMA133Rb	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Inflammatory Bowel Disease / Viral Infection
IS135-239	Multiplex Assay Kit for Rabbit IL17, IL1b, IL6, IL8, TNF α , IFN γ , 6-Plex	LMA063Rb, LMA563Rb, LMA079Rb, LMA080Rb, LMA133Rb, LMA049Rb	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Sepsis / Infectious Diseases
IS135-240	Multiplex Assay Kit for Rabbit IL1a, IL1b, IL8, MCP1, MMP1, MMP3, PDGFA, TNF α , VEGFA, 9-Plex	LMA071Rb, LMA563Rb, LMA080Rb, LMA087Rb, LMA097Rb, LMA101Rb, LMA528Rb, LMA133Rb, LMA143Rb	Rheumatoid Arthritis / Periodontitis / Peri-implantitis / Breast Cancer Microenvironment
IS135-242	Multiplex Assay Kit for Rabbit IL1b, IL6, IL8, MMP2, TNF α , 5-Plex	LMA563Rb, LMA079Rb, LMA080Rb, LMA100Rb, LMA133Rb	Rheumatoid Arthritis / Inflammatory Bowel Disease
IS135-243	Multiplex Assay Kit for Rabbit IL1b, IL6, MMP13, MMP3, TNF α , 5-Plex	LMA563Rb, LMA079Rb, LMA099Rb, LMA101Rb, LMA133Rb	Osteoarthritis / Rheumatoid Arthritis / Periodontal Disease
IS135-244	Multiplex Assay Kit for rabbit IL1b, IL6, TNF α , TNF β , 4-Plex	LMA563Rb, LMA079Rb, LMA133Rb, LMA134Rb	Rheumatoid Arthritis / Autoimmune Thyroiditis / Type 2 Diabetes / Alzheimer's Disease / Colorectal Cancer
IS135-246	Multiplex Assay Kit for Rabbit MCP1, MMP1, TNF α , 3-Plex	LMA087Rb, LMA097Rb, LMA133Rb	Atherosclerosis / Rheumatoid Arthritis / Chronic Obstructive Pulmonary Disease
IS135-255	Multiplex Assay Kit for Rat CAT, HO1, HSF1, HSP70, IL1b, IL6, NFkB, TNF α , MUC2, 9-Plex	LMC418Ra, LMA584Ra, LMA435Ra, LMA873Ra, LMA563Ra, LMA079Ra, LMB824Ra, LMA133Ra, LMA705Ra	Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease / Type 2 Diabetes / Alzheimer's Disease / Rheumatoid Arthritis
IS135-262	Multiplex Assay Kit for Rat IFN γ , IL10, IL18, IL1a, IL1b, IL21, IL6, TNF α , 8-Plex	LMA049Ra, SEA056Ra, LMA064Ra, LMA071Ra, LMA563Ra, LMB688Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Alzheimer's Disease / Atherosclerosis
IS135-264	Multiplex Assay Kit for Rat IL1b, IL2, IL6, TNF α , 4-Plex	LMA563Ra, LMA073Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease
IS135-265	Multiplex Assay Kit for Rat IL1b, IL6, TNF α , 3-Plex	LMA563Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease / Inflammatory Bowel Disease / Periodontitis
IS135-266	Multiplex Assay Kit for Rat NFkB, STAT3, PKBa, 3-Plex	LMB824Ra, LMB743Ra, LMC231Ra	Rheumatoid Arthritis / Pancreatic Cancer / Hepatocellular Carcinoma
IS135-267	Multiplex Assay Kit for Sheep IFN γ , IL1b, IL2, IL6, 4-Plex	LMA049Ov, LMA563Ov, LMA073Ov, LMA079Ov	Rheumatoid Arthritis / Multiple Sclerosis / Neuropsychiatric Systemic Lupus Erythematosus / Severe Depression / Autoimmune Hepatitis

Neuroscience Diseases

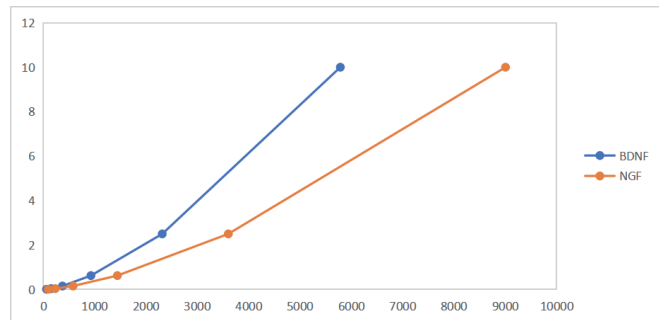
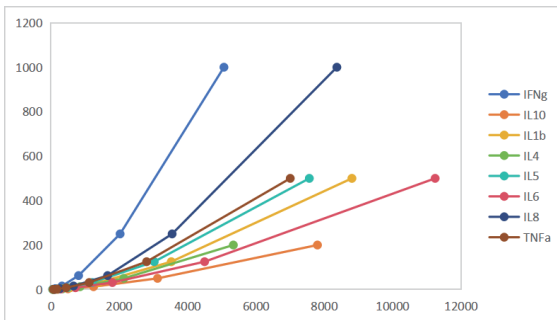
The Neuroscience is a system that plays a dominant role in the regulation of physiological functions in the body. It is mainly composed of nerve tissue and is divided into two parts: the central nervous system and the peripheral nervous system. The central nervous system in turn includes the brain and spinal cord, and the peripheral nervous system includes the cranial nerves and spinal nerves. In biological individuals, the nervous system exercises the role of "command" and controls the coordination of various tissues and organs of the body. Neurological diseases may be caused by external factors or personal genetic factors, including cerebrovascular diseases, periodic paralysis, progressive muscular dystrophy, myotonic dystrophy, and ataxia. Nervous system diseases are difficult to cure at current medical level, mainly relying on early prevention and treatment. Therefore, early diagnosis and early intervention are of great significance for improving the long-term prognosis of neurological diseases.

With the rapid development of genomics, proteomics and metabolomics, some indicators related to the occurrence or development of nervous system diseases, such as BDNF, GFAP, SAA, etc., have been found to be early diagnosis of some neurological diseases.

Cloud-Clone Multiplex Assay Kit Detection Cases for Neuroscience Diseases

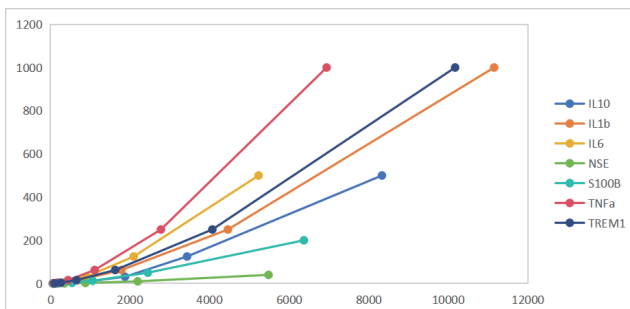
IS135-23

Multiplex Assay Kit for Guinea pig BDNF, IFN γ , IL10, IL1b, IL4, IL5, IL6, IL8, NGF, TNF α , 10-Plex



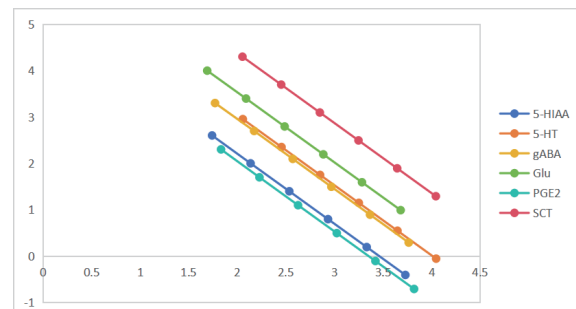
IS135-263

Multiplex Assay Kit for Rat IL10, IL1b, IL6, NSE, S100B, TNF α , TREM1, 7-Plex



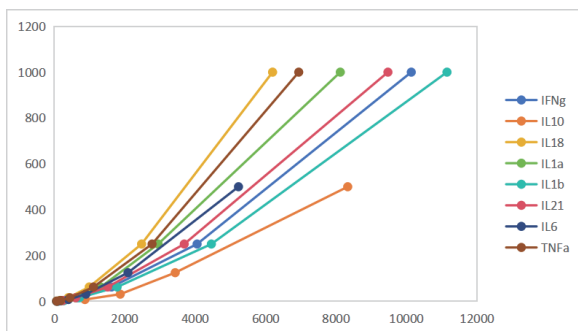
IS135-138

Multiplex Assay Kit for Mouse 5HIAA, 5HT, gABA, Glu, PGE2, SCT, 6-Plex

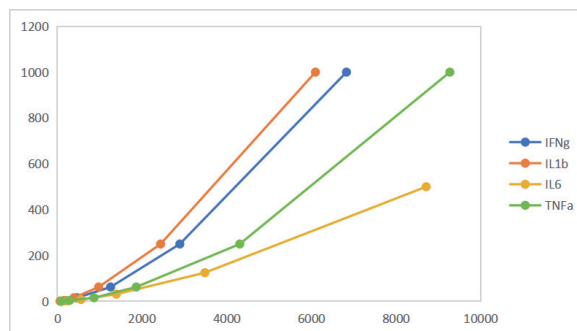


IS135-262

Multiplex Assay Kit for Rat IFNg, IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex


IS135-110

Multiplex Assay Kit for Human IFNg, IL1b, IL6, TNFa, 4-Plex



Cloud-Clone Multiplex Assay Kit Plex for Neuroscience Diseases

Product	Product Name	Contents	Research Field
IS135-4	Multiplex Assay Kit for Mouse TGFb1, TNFa, IFNg, IL6, IL10, INS, IL-17, 7-Plex	LMA124Mu, LMA133Mu, LMA049Mu, LMA079Mu, LMA056Mu, LMA448Mu, LMA063Mu	Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-5	Multiplex Assay Kit for Human IFNg, IL6, 2-Plex	LMA049Hu, LMA079Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Colorectal Cancer / Endometriosis / Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-8	Multiplex Assay Kit for Mouse IL1b, IL6, IL10, TNFa, 4-Plex	LMA563Mu, LMA079Mu, LMA056Mu, LMA133Mu	Alzheimer's Disease / Osteoarthritis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Prostate Cancer / Sarcopenia
IS135-9	Multiplex Assay Kit for Mouse IL1b, IL4, IL6, IL12, IL13, IL15, TNFa, 7-Plex	LMA563Mu, LMA077Mu, LMA079Mu, LMA111Mu, LMA060Mu, LMA061Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Cytokine Storm Syndrome / Atherosclerosis / Periodontitis / Alzheimer's Disease / Primary Myelofibrosis
IS135-11	Multiplex Assay Kit for Human BDNF, CNTF, GDNF, NGF beta, 4-Plex	LMA011Hu, LMA021Hu, LMA043Hu, LMA105Hu	Glaucoma / Alzheimer's Disease / Parkinson's Disease / Schizophrenia / Spinal Cord Injury
IS135-15	Multiplex Assay Kit for Human GM-CSF, IFNg, IL2, IL4, IL6, IL8, IL10, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA073Hu, LMA077Hu, LMA079Hu, LMA080Hu, LMA056Hu, LMA133Hu	Chronic Hepatitis / Rheumatoid Arthritis / Autoimmune Hepatitis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Alzheimer's Disease / Schizophrenia / Periodontitis / Gastric Cancer / Hepatocellular Carcinoma
IS135-17	Multiplex Assay Kit for Human MMP-1, MMP-2, MMP-7, MMP-9, MMP-10, 5-Plex	LMA097Hu, LMA100Hu, LMA102Hu, LMA553Hu, LMA098Hu	Pulmonary Fibrosis / Pulmonary Emphysema / Atherosclerosis / Myocardial Infarction / Osteoarthritis / Rheumatoid Arthritis / Multiple Sclerosis / Parkinson's Disease / Alzheimer's Disease / Inflammatory Bowel Disease / Liver Cancer / Periodontal Disease
IS135-18	Multiplex Assay Kit for Human MMP-2, MMP-3, MMP-9, 3-Plex	LMA100Hu, LMA101Hu, LMA553Hu	Colorectal Cancer / Breast Cancer / Laryngeal Cancer / Bladder Cancer / Cervical Cancer / Thyroid Cancer / Lung Cancer / Mesothelioma / Atherosclerosis / Coronary Artery Aneurysm / Hypertension / Alzheimer's Disease / Multiple Sclerosis / Parkinson's Disease / Rheumatoid Arthritis / Periodontitis / Chronic Liver Disease / Inflammatory Bowel Disease / Meningitis
IS135-23	Multiplex Assay Kit for Guinea pig BDNF, IFNg, IL10, IL1b, IL4, IL5, IL6, IL8, NGF, TNFa, 10-Plex	LMA011Gu, LMA049Gu, LMA056Gu, LMA563Gu, LMA077Gu, LMA078Gu, LMA079Gu, LMA080Gu, LMA105Gu, LMA133Gu	Alzheimer's Disease / Parkinson's Disease

IS135-28	Multiplex Assay Kit for Human Ab140, Ab142, NEFL, Tau, 4-Plex	LMA864Hu, LMA946Hu, LME038Hu, LMV538Hu	Alzheimer's Disease / Huntington's Disease
IS135-29	Multiplex Assay Kit for Human Ab140, Ab142, Tau, 3-Plex	LMA864Hu, LMA946Hu, LMB983Hu	Alzheimer's Disease / Amyotrophic Lateral Sclerosis
IS135-32	Multiplex Assay Kit for Human AGE, CH, CTN, TG, 4-Plex	LMB353Hu, LMB701Hu, LMV806Hu, LMB687Hu	Coronary Heart Disease / Atherosclerosis / Alzheimer's Disease / Parkinson's Disease
IS135-44	Multiplex Assay Kit for Human ATG16L1, CASP1, CASP3, CASP4, CASP5, CASP8, mTOR, PINK1, SQSTM1, 9-Plex	LMN942Hu, LMB592Hu, LMA626Hu, LMB735Hu, LMA770Hu, LMA853Hu, LMB806Hu, LML057Hu, LMD198Hu	Alzheimer's Disease / Parkinson's Disease / Kawasaki Disease / Crohn's Disease
IS135-45	Multiplex Assay Kit for Human Bax, GAL3, IL1R2, IL4R, 4-Plex	LMB343Hu, LMA303Hu, LMA065Hu, LMC031Hu	Rheumatoid Arthritis / Sepsis / Alzheimer's Disease
IS135-46	Multiplex Assay Kit for Human BDNF, EGF, GDNF, GFAP, IL1b, NGF, TNFa, 7-Plex	LMA011Hu, LMA560Hu, LMA043Hu, LMA068Hu, LMA563Hu, LMA105Hu, LMA133Hu	Parkinson's Disease / Alzheimer's Disease / Depressive Disorder
IS135-47	Multiplex Assay Kit for Human BDNF, FGF21, ON, 3-Plex	LMA011Hu, LMC918Hu, LMA791Hu	Metabolic Optic Neuropathy / Diabetic Retinopathy / Ischemic Optic Neuropathy
IS135-48	Multiplex Assay Kit for Human BDNF, GFAP, NEFL, S100B, 4-Plex	LMA011Hu, LMA068Hu, LME038Hu, LMA567Hu	Traumatic Brain Injury / Ophthalmoneuromyelitis / Depressive Disorder / Schizophrenia
IS135-51	Multiplex Assay Kit for Human BLC, CHIT1, CYP2D6, CYP3A4, MIg, NEFL, OPG, SOD1, TDP43, 9-Plex	LMB601Hu, LMJ374Hu, LMD302Hu, LMD299Hu, LMB928Hu, LME038Hu, LMA108Hu, LMB960Hu, LMB951Hu	Amyotrophic Lateral Sclerosis / Alzheimer's Disease
IS135-58	Multiplex Assay Kit for Human CAV1, CCND2, CRIP1, EGR1, IFITM3, SIRT1, 6-Plex	LMA214Hu, LMA586Hu, LMC402Hu, LMA416Hu, LMH830Hu, LME912Hu	Atherosclerosis / Hypertension / Alzheimer's Disease
IS135-83	Multiplex Assay Kit for Human ERK1, JAK1, MAP1LC3a, NFkB, PIK3Cb, PKBa, STAT5A, STAT1, STAT3, TP53, 10-Plex	LMB357Hu, LMC551Hu, LML701Hu, LMB824Hu, LMJ829Hu, LMC231Hu, LMB738Mi, LMB740Hu, LMB743Hu, LMS556Hu	Neurodegenerative Diseases / Colorectal Cancer / Psoriasis
IS135-84	Multiplex Assay Kit for Human ESM1, IL6, IL8, NTProBNP, SELE, TREM1, 6-Plex	LMC463Hu, LMA079Hu, LMA080Hu, LMA485Hu, LMA029Hu, LMA213Hu	Cardiovascular Diseases / Glioma / Alzheimer's Disease / Colitis
IS135-89	Multiplex Assay Kit for Human GFAP, NEFL, NSE, UCHL1, 4-Plex	LMA068Hu, LME038Hu, LMA537Hu, LMG945Hu	Parkinson's Disease / Multiple Sclerosis / Dementia / Traumatic Brain Injury / Stroke / Alzheimer's Disease
IS135-90	Multiplex Assay Kit for Human GHRL, LPS, 2-Plex	LMA991Hu, LMB526Hu	Neuroinflammation / Neurodegenerative Diseases
IS135-93	Multiplex Assay Kit for Human GMCSF, IFNg, IL10, IL8, ITaC, MIP1a, MIP1b, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA056Hu, LMA080Hu, LMC071Hu, LMA092Hu, LMA093Hu, LMA133Hu	Active Vitiligo / Alzheimer's Disease / Multiple Sclerosis / Systemic Lupus Erythematosus
IS135-96	Multiplex Assay Kit for Human HGF, MMP1, MMP12, RAGE, SPD, 5-Plex	LMA047Hu, LMA097Hu, LMA402Hu, LMA645Hu, LMB039Hu	Cardiovascular Diseases / Colorectal Cancer / Rheumatoid Arthritis / Head and Neck Squamous Cell Carcinoma / Oral Cancer / Inflammatory Bowel Disease / Alzheimer's Disease
IS135-97	Multiplex Assay Kit for Human HIF1a, IL1b, IL6, PECAM1, TNFa, VEGFA, 6-Plex	LMA798Hu, LMA563Hu, LMA079Hu, LMA363Hu, LMA133Hu, LMA143Hu	Cardiovascular Diseases / Neurodegenerative Diseases / Inflammatory Bowel Disease / Diabetic Complications

IS135-99	Multiplex Assay Kit for Human IFN α , IFN γ , IL10, IL12, IL17, IL1b, IL2, IL4, IL5, IL6, IL8, TNF α , 12-Plex	LMA033Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA063Hu, LMA563Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu, LMA133Hu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Periodontitis / Diabetes / Alzheimer's Disease / Parkinson's Disease
IS135-110	Multiplex Assay Kit for Human IFN γ , IL1b, IL6, TNF α , 4-Plex	LMA049Hu, LMA563Hu, LMA079Hu, LMA133Hu	Alzheimer's Disease
IS135-111	Multiplex Assay Kit for Human IFN γ , IL2, TNF α , 3-Plex	LMA049Hu, LMA073Hu, LMA133Hu	Multiple Sclerosis / Non-alcoholic Fatty Liver Disease / Brain Neurodegenerative Diseases / Alzheimer's Disease / Parkinson's Disease
IS135-119	Multiplex Assay Kit for Human IL10, IL1RA, TNF α , 3-Plex	LMA056Hu, LMA223Hu, LMA133Hu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Coronary Artery Disease / Type 1 Diabetes / Sepsis and Post-traumatic Infection / Alzheimer's Disease / Stroke
IS135-127	Multiplex Assay Kit for Human IL1b, IL6, IL8, TNF α , 4-Plex	LMA563Hu, LMA079Hu, LMA080Hu, LMA133Hu	Sepsis / Inflammatory Bowel Disease / Atherosclerosis / Rheumatoid Arthritis / Alzheimer's Disease / Behcet Disease
IS135-128	Multiplex Assay Kit for Human IL1b, IL6, MCP1, TNF α , 4-Plex	LMA563Hu, LMA079Hu, LMA087Hu, LMA133Hu	Parkinson's Disease / Alzheimer's Disease / Sepsis / Atherosclerosis / Rheumatoid Arthritis
IS135-129	Multiplex Assay Kit for Human IL6, NSE, OPN, S100B, TNF α , 5-Plex	LMA079Hu, LMA537Hu, LMA899Hu, LMA567Hu, LMA133Hu	Alzheimer's Disease
IS135-133	Multiplex Assay Kit for Human NRG1, TREM2, 2-Plex	LMA404Hu, LMG628Hu	Alzheimer's Disease / Parkinson's Disease
IS135-138	Multiplex Assay Kit for Mouse 5HIAA, 5HT, gABA, Glu, PGE2, SCT, 6-Plex	LMB005Ge, LMA808Ge, LMA900Ge, LMS122Ge, LMA538Ge, LMA152Ge	Depressive Disorder
IS135-139	Multiplex Assay Kit for Mouse 5HT, ACTH, bEP, CRF, ENK, GH, GHRH, INS, SP, TRH, 10-Plex	LMA808Ge, LMA836Mu, LMA806Mu, LMA835Mu, LMB176Mi, LMA044Mu, LMA438Mu, LMA448Mu, LMA393Mu, LMA839Mu	Anxiety Disorder / Depressive Disorder / Hypopituitarism
IS135-140	Multiplex Assay Kit for Mouse 5HT, DA, E2, FSH, gABA, Glu, NE, 7-Plex	LMA808Ge, LMA851Ge, LMA461Ge, LMA830Mu, LMA900Ge, LMS122Ge, LMA907Ge	Alzheimer's Disease
IS135-141	Multiplex Assay Kit for Mouse 5HT, DA, gABA, Glu, NE, 5-Plex	LMA808Ge, LMA851Ge, LMA900Ge, LMS122Ge, LMA907Ge	Alzheimer's Disease / Parkinson's Disease / Amyotrophic Lateral Sclerosis / Cognitive Impairment / Huntington's Chorea / Epilepsy / Depressive Disorder / Anxiety Disorder
IS135-143	Multiplex Assay Kit for Mouse ACE2, BDNF, IL18, IL1b, NGF, TNF α , 6-Plex	LMB886Mu, LMA011Mu, LMA064Mu, LMA563Mu, LMA105Mu, LMA133Mu	Alzheimer's Disease / Depressive Disorder / Schizophrenia
IS135-144	Multiplex Assay Kit for Mouse ACHE, ChAT, IL1b, IL6, SOD, TNF α , 6-Plex	LMB447Mu, LMB929Mu, LMA563Mu, LMA079Mu, LMS134Mu, LMA133Mu	Alzheimer's Disease / Depressive Disorder / Abnormal Brain Iron Metabolism
IS135-159	Multiplex Assay Kit for Mouse Arg, IL10, IL1b, IL4, IL6, NOS2, TNF α , 7-Plex	LMB120Mu, LMA056Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA837Mu, LMA133Mu	Neurodegenerative Disease
IS135-181	Multiplex Assay Kit for Mouse DRD2, IL1b, IL6, TNF α , 4-Plex	LMA673Mu, LMA563Mu, LMA079Mu, LMA133Mu	Parkinson's Disease / Alzheimer's Disease
IS135-227	Multiplex Assay Kit for Mouse IL1b, IL6, TNF α , 3-Plex	LMA563Mu, LMA079Mu, LMA133Mu	Alzheimer's Disease / Vascular Dementia / Rheumatoid Arthritis / Ankylosing Spondylitis / Inflammatory Bowel Disease / Osteoarthritis / Malaria Infection / Autoimmune Hepatitis

IS135-228	Multiplex Assay Kit for Mouse IL1b, TNFa, 2-Plex	LMA563Mu, LMA133Mu	Intervertebral Disc Degeneration / Rheumatoid Arthritis / Type 2 Diabetes / Alzheimer's Disease / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease
IS135-230	Multiplex Assay Kit for Mouse IL6, MCP1, TNFa, 3-Plex	LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Atherosclerosis / Obesity-related Inflammation / Systemic Lupus Erythematosus / Neuroinflammation and Cognitive Impairment / Brain Aneurysm / Diabetic Nephropathy / Interstitial Lung Disease
IS135-231	Multiplex Assay Kit for Mouse KYN, KYNA, QA, Trp, 4-Plex	LMX300Ge, LMD718Ge, LMK552Ge, LMD720Ge	Severe Depression / Schizophrenia / Systemic Lupus Erythematosus / Chronic Kidney Disease / Coronary Artery Disease / Alzheimer's Disease / Parkinson's Disease / Multiple Sclerosis
IS135-233	Multiplex Assay Kit for Mouse PKBa, PKBb, Smad2, Smad4, Smad5, Smad7, Smad9, 7-Plex	LMC231Mu, LMB719Mu, LMC124Mu, LMB925Mu, LMC122Mu, LMA648Mu, LMC121Mu	Liver Fibrosis / Kidney Fibrosis / Pancreatic Cancer / Colorectal Cancer / Alzheimer's Disease
IS135-234	Multiplex Assay Kit for Mouse S100B, TARC, TGFb1, TIMP1, 4-Plex	LMA567Mu, LMB571Mu, LMA124Mu, LMA552Mu	Systemic Sclerosis / Alzheimer's Disease
IS135-236	Multiplex Assay Kit for Mouse TNFa, IL6, CAT, GPX4, LDH, 5-Plex	LMA133Mu, LMA079Mu, LMC418Mu, LMC994Mu, LMB864Mu	Obesity / Diabetes Complications / Alzheimer's Disease / Environmental Lung Injury / Cardiac Failure
IS135-244	Multiplex Assay Kit for rabbit IL1b, IL6, TNFa, TNFb, 4-Plex	LMA563Rb, LMA079Rb, LMA133Rb, LMA134Rb	Rheumatoid Arthritis / Autoimmune Thyroiditis / Type 2 Diabetes / Alzheimer's Disease / Colorectal Cancer
IS135-254	Multiplex Assay Kit for Rat CAT, RANKL, S100B, SEMA3A, SFRP4, UMOD, 7-Plex	LMC418Ra, LMA855Ra, LMA567Ra, LML917Ra, LMF878Ra, LMG918Ra	Osteoarthritis / Alzheimer's Disease / Chronic Kidney Disease
IS135-255	Multiplex Assay Kit for Rat CAT, HO1, HSF1, HSP70, IL1b, IL6, NFkB, TNFa, MUC2, 9-Plex	LMC418Ra, LMA584Ra, LMA435Ra, LMA873Ra, LMA563Ra, LMA079Ra, LMB824Ra, LMA133Ra, LMA705Ra	Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease / Type 2 Diabetes / Alzheimer's Disease / Rheumatoid Arthritis
IS135-262	Multiplex Assay Kit for Rat IFNg, IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex	LMA049Ra, SEA056Ra, LMA064Ra, LMA071Ra, LMA563Ra, LMB688Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Alzheimer's Disease / Atherosclerosis
IS135-263	Multiplex Assay Kit for Rat IL10, IL1b, IL6, NSE, S100B, TNFa, TREM1, 7-Plex	SEA056Ra, LMA563Ra, LMA079Ra, LMA537Ra, LMA567Ra, LMA133Ra, LMA213Ra	Brain Injury / Alzheimer's Disease / Creutzfeldt-Jakob Disease / Multiple Sclerosis / Bipolar Disorder
IS135-264	Multiplex Assay Kit for Rat IL1b, IL2, IL6, TNFa, 4-Plex	LMA563Ra, LMA073Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease
IS135-265	Multiplex Assay Kit for Rat IL1b, IL6, TNFa, 3-Plex	LMA563Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease / Inflammatory Bowel Disease / Periodontitis

Cardiovascular Diseases

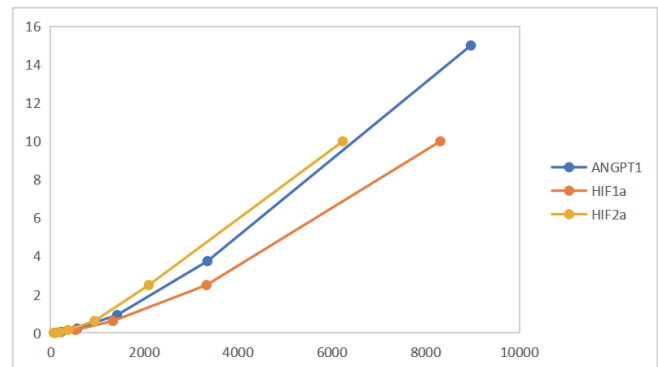
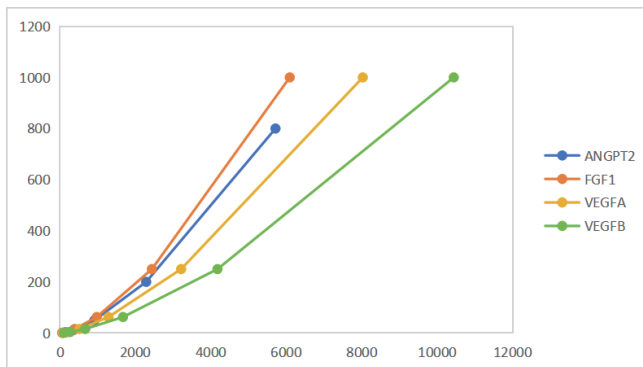
The cardiovascular system is composed of heart and blood vessels, which constitute the system for transporting blood. Cardiovascular activity can change cardiac output and peripheral resistance, coordinate blood flow distribution among organs and tissues under the mediation of nerve and body fluid, so as to meet the needs of blood flow in organs and tissues. The formation and development of heart and blood vessel, as well as the repair of injury and aging are regulated by many systems. Once these regulatory systems are become disordered, it will inevitably lead to metabolic disorders of heart and blood vessel cells, including the occurrence of cardiovascular diseases. According to current research, there are many cardiovascular-related signaling pathways, and the common pathways are roughly the following.

1. **ENOS/NO signaling pathway:** As a signal molecule, nitric oxide plays an important role in regulating blood pressure, maintaining vascular tension and regulating immune system in physiological activities. Abnormal NO is the cause of many cardiovascular diseases. Endothelial nitric oxide synthase, eNOS plays a major regulatory role as a rate-limiting enzyme in inducing NO synthesis.
2. **Hippo-YAP signaling pathway:** It plays a significant regulatory role in cell proliferation and apoptosis, and its core members include YAP and other proteins.
3. **IL-33/ST2 signaling pathway:** Soluble ST2 protein (sST2) is a member of the IL-1 receptor family, which can block the anti-cardiomyocyte hypertrophy and myocardial fibrosis effects of IL-33, leading to myocardial remodeling.
4. **MTOR signaling pathway:** mTOR kinase is an essential factor in regulating the homeostasis and growth of cardiomyocytes during development and postnatal period.
5. **NOTCH signaling pathway:** Notch signaling can be partly responsible for a variety of physiological processes, such as angiogenesis, myogenesis, neurogenesis and hematopoiesis, and determine the growth, differentiation and survival of various cell types in different tissues.

Cloud-Clone Multiplex Assay Kit Detection Cases for Cardiovascular Diseases

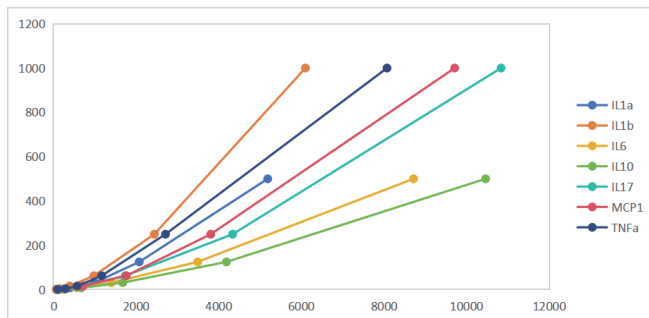
IS135-39

Multiplex Assay Kit for Human ANGPT1, ANGPT2, FGF1, HIF1a, HIF2a, VEGFA, VEGFB, 7-Plex



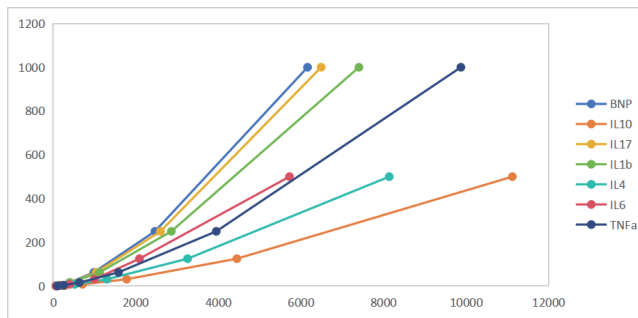
IS135-125

Multiplex Assay Kit for Human IL1a, IL1b, IL6, IL10, IL17, MCP1, TNFa, 7-Plex



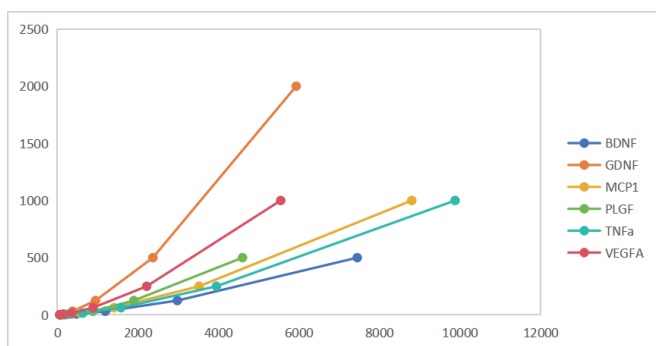
IS135-162

Multiplex Assay Kit for Mouse BNP, IL10, IL17, IL1b, IL4, IL6, TNFa, 7-Plex



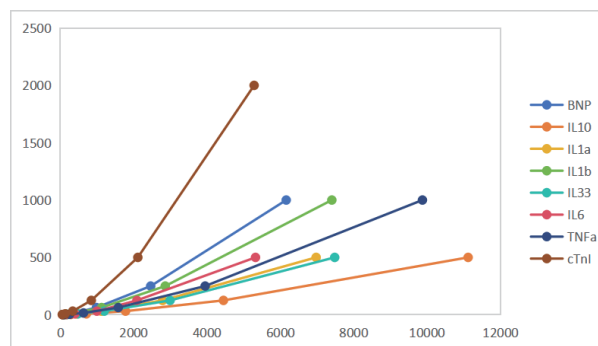
IS135-160

Multiplex Assay Kit for Mouse BDNF, GDNF, MCP1, PLGF, TNFa, VEGFA, 6-Plex



IS135-163

Multiplex Assay Kit for Mouse BNP, IL10, IL1a, IL1b, IL33, IL6, TNFa, TNNI3, 8-Plex



Cloud-Clone Multiplex Assay Kit Plex for Cardiovascular Diseases

Product	Product Name	Contents	Research Field
IS135-17	Multiplex Assay Kit for Human MMP-1, MMP-2, MMP-7, MMP-9, MMP-10, 5-Plex	LMA097Hu, LMA100Hu, LMA102Hu, LMA553Hu, LMA098Hu	Pulmonary Fibrosis / Pulmonary Emphysema / Atherosclerosis / Myocardial Infarction / Osteoarthritis / Rheumatoid Arthritis / Multiple Sclerosis / Parkinson's Disease / Alzheimer's Disease / Inflammatory Bowel Disease / Liver Cancer / Periodontal Disease
IS135-32	Multiplex Assay Kit for Human AGE, CH, CTN, TG, 4-Plex	LMB353Hu, LMB701Hu, LMB806Hu, LMB687Hu	Coronary Heart Disease / Atherosclerosis / Alzheimer's Disease / Parkinson's Disease
IS135-37	Multiplex Assay Kit for Human ALT, BNP, CKM, CKMB, EPO, IL1b, LDH, TNFa, 8-Plex	LMA207Hu, LMA541Hu, LMA109Hu, LMA479Hu, LMA028Hu, LMA563Hu, LMB864Hu, LMA133Hu	Hepatitis / Nephritis / Heart Failure / Myocardial Infarction
IS135-38	Multiplex Assay Kit for Human ANGPT1, ANGPT2, ESM1, ICAM2, SDC1, VCAM1, 6-Plex	LMA008Hu, LMA009Hu, LMC463Hu, LMA534Hu, LMB966Hu, LMA547Hu	Chronic Kidney Disease / Heart Failure / Diabetic Nephropathy
IS135-39	Multiplex Assay Kit for Human ANGPT1, ANGPT2, FGF1, HIF1a, HIF2a, VEGFA, VEGFB, 7-Plex	LMA008Hu, LMA009Hu, LMA032Hu, LMA798Hu, LMD466Hu, LMA143Hu, LMA144Hu	Acute Myeloid Leukemia / Renal Cell Carcinoma / Cardiovascular Diseases

IS135-41	Multiplex Assay Kit for Human ANP, BNP, NTProBNP, TNNT2, 4-Plex	LMA225Hu, LMA541Hu, LMA485Hu, LMD232Hu	Hypertrophic Cardiomyopathy / Chronic Kidney Disease / Diabetes
IS135-53	Multiplex Assay Kit for Human BMP2, Klotho, OPG, Osteocalcin, RUNX2, SOST, 6-Plex	LMA013Hu, LMH757Hu, LMA108Hu, LMA471Hu, LMB011Hu, LMC864Hu	Osteoporosis / Chronic Kidney Disease Bone Disorder / Cardiovascular Calcification / Multiple Myeloma
IS135-54	Multiplex Assay Kit for Human C1s, C7, CRP, ICAM1, MPO, PAP, VCAM1, vWF, a2PI, 9-Plex	LMB674Hu, LMA731Hu, LMA821Hu, LMA548Hu, LMA601Hu, LMA832Hu, LMA547Hu, LMA833Hu, LMA160Hu	Atherosclerosis / Coronary Heart Disease / Rheumatoid Arthritis
IS135-55	Multiplex Assay Kit for Human C3a, C4a, 2-Plex	LMA387Hu, LMA389Hu	Systemic Lupus Erythematosus / IgA Nephropathy / Henoch-Schonlein Purpura Nephritis / Lyme Disease / Chronic Obstructive Pulmonary Disease / Heart Failure
IS135-62	Multiplex Assay Kit for Human CD23, GZMB, MPO, 3-Plex	LMB582Hu, LMA600Hu, LMA601Hu	B-cell Lymphoma / Vitiligo / Myocardial Infarction
IS135-72	Multiplex Assay Kit for Human cTnI, FGF23, GAL3, GDF15, HFABP, IL1RL1, TGM2, 7-Plex	LMA478Hu, LMA746Hu, LMA303Hu, LMC034Hu, LMB243Hu, LMH820Hu, LMB830Hu	Acute Myocardial Infarction / Cardiovascular Disease
IS135-73	Multiplex Assay Kit for Human cTnI, IL6, MCP1, 3-Plex	LMA478Hu, LMA079Hu, LMA087Hu	Acute Myocardial Infarction / Stroke
IS135-74	Multiplex Assay Kit for Human CTSS, MMP1, PRSS23, ST14, 4-Plex	LMB933Hu, LMA097Hu, LMA421Hu, LMP657Hu	Cardiovascular Diseases / Ovarian Cancer / Breast Cancer / Psoriasis
IS135-82	Multiplex Assay Kit for Human ENG, GMCSF, IL2, IL4, IL5, IL6, IL10, IL12, 8-Plex	LMA980Hu, LMA045Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA056Hu, LMA111Hu	Cardiovascular Diseases / Fibrosis / Nervous System Inflammation / Diabetes / Allergic Diseases / Melanoma
IS135-84	Multiplex Assay Kit for Human ESM1, IL6, IL8, NTProBNP, SELE, TREM1, 6-Plex	LMC463Hu, LMA079Hu, LMA080Hu, LMA485Hu, LMA029Hu, LMA213Hu	Cardiovascular Diseases / Glioma / Alzheimer's Disease / Colitis
IS135-96	Multiplex Assay Kit for Human HGF, MMP1, MMP12, RAGE, SPD, 5-Plex	LMA047Hu, LMA097Hu, LMA402Hu, LMA645Hu, LMB039Hu	Cardiovascular Diseases / Colorectal Cancer / Rheumatoid Arthritis / Head and Neck Squamous Cell Carcinoma / Oral Cancer / Inflammatory Bowel Disease / Alzheimer's Disease
IS135-97	Multiplex Assay Kit for Human HIF1a, IL1b, IL6, PECAM1, TNFa, VEGFA, 6-Plex	LMA798Hu, LMA563Hu, LMA079Hu, LMA363Hu, LMA133Hu, LMA143Hu	Cardiovascular Diseases / Neurodegenerative Diseases / Inflammatory Bowel Disease / Diabetic Complications
IS135-125	Multiplex Assay Kit for Human IL1a, IL1b, IL6, IL10, IL17, MCP1, TNFa, 7-Plex	LMA071Hu, LMA563Hu, LMA079Hu, LMA056Hu, LMA063Hu, LMA087Hu, LMA133Hu	Atherosclerosis / Neuroinflammation
IS135-146	Multiplex Assay Kit for Mouse ALD, AngII, ANP, BNP, CRF, EDN1, EPI, NE, PGE2, 9-Plex	LMA911Ge, LMA005Mu, LMA225Mu, LMA541Mu, LMA835Mu, LMA482Mu, LMA858Ge, LMA907Ge, LMA538Ge	Hypertension / Renal Dysfunction Caused by Hypertension / Diabetic Nephropathy / Heart Failure
IS135-148	Multiplex Assay Kit for Mouse ALP, ALT, AST, CKM, CKMB, LDH, 6-Plex	LMB472Mu, LMA207Mu, LMB214Mu, LMA109Mu, LMA479Mu, LMB864Mu	Cardiogenic Liver Injury / Polymyositis / Dermatomyositis
IS135-150	Multiplex Assay Kit for Mouse ALP, ALT, BNP, CKM, CKMB, LDH, 6-Plex	LMB472Mu, LMA207Mu, LMA541Mu, LMA109Mu, LMA479Mu, LMB864Mu	Cardiogenic Liver Injury / Polymyositis / Dermatomyositis / Chronic Kidney Disease
IS135-151	Multiplex Assay Kit for Mouse ALT, BNP, CKM, CKMB, EPO, IL1b, LDH, TNFa, 8-Plex	LMA207Mu, LMA541Mu, LMA109Mu, LMA479Mu, LMA028Mu, LMA563Mu, LMB864Mu, LMA133Mu	Cardiogenic Liver Injury / Muscle Injury / Chronic Kidney Disease

IS135-153	Multiplex Assay Kit for Mouse ANP, BNP, NTProBNP, TNNT2, 4-Plex	LMA225Mu, LMA541Mu, LMA485Mu, LMD232Mu	Cardiac Injury
IS135-154	Multiplex Assay Kit for Mouse ANP, CH, CTN, Glu, TG, 5-Plex	LMA225Mu, LMB701Ge, LMV806Ge, LMS122Ge, LMB687Ge	Cardio-Renal Metabolic Syndrome
IS135-155	Multiplex Assay Kit for Mouse ANP, CH, CTN, TG, 4-Plex	LMA225Mu, LMB701Ge, LMV806Ge, LMB687Ge	Cardio-Renal Metabolic Syndrome
IS135-160	Multiplex Assay Kit for Mouse BDNF, GDNF, MCP1, PLGF, TNFa, VEGFA, 6-Plex	LMA011Mu, LMA043Mu, LMA087Mu, LMA114Mu, LMA133Mu, LMA143Mu	Cerebrovascular Disease
IS135-161	Multiplex Assay Kit for Mouse BNP, GaL3, IL17, IL6, MMP1, ST2, TNFa, 7-Plex	LMA541Mu, LMA303Mu, LMA063Mu, LMA079Mu, LMA097Mu, LMH820Mu, LMA133Mu	Cardiac Failure
IS135-162	Multiplex Assay Kit for Mouse BNP, IL10, IL17, IL1b, IL4, IL6, TNFa, 7-Plex	LMA541Mu, LMA056Mu, LMA063Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Inflammatory Load of Cardiovascular Diseases
IS135-163	Multiplex Assay Kit for Mouse BNP, IL10, IL1a, IL1b, IL33, IL6, TNFa, TNNT3, 8-Plex	LMA541Mu, LMA056Mu, LMA071Mu, LMA563Mu, LMB980Mu, LMA079Mu, LMA133Mu, LMA478Mu	Inflammatory Load of Myocardial Injury
IS135-169	Multiplex Assay Kit for Mouse CH, CTN, 2-Plex	LMB701Ge, LMV806Ge	Cardiovascular and Nephrology Metabolism
IS135-170	Multiplex Assay Kit for Mouse CH, CTN, CTXI, PINP, 4-Plex	LMB701Ge, LMV806Ge, LMA665Mu, LMA957Mu	Cardiovascular, Renal Function and Bone Metabolism
IS135-172	Multiplex Assay Kit for Mouse CKMB, cTnI, PLGF, VEGFA, VEGFR1, 5-Plex	LMA479Mu, LMA478Mu, LMA114Mu, LMA143Mu, LMB818Mu	Cardiovascular Disease
IS135-179	Multiplex Assay Kit for Mouse D2D, NTProBNP, 2-Plex	LMA506Mu, LMA485Mu	Cardiovascular Disease
IS135-183	Multiplex Assay Kit for Mouse EDN1, HA, HS, MDA, vWF, 5-Plex	LMA482Mu, LMA182Ge, LMA161Ge, LMA597Ge, LMA833Mu	Endothelial Injury and Oxidative Stress in Cardiovascular Diseases
IS135-186	Multiplex Assay Kit for Mouse EPO, TNNT3, TNT, 3-Plex	LMA028Mu, LMA478Mu, LMB820Mu	Cardiomyopathy
IS135-236	Multiplex Assay Kit for Mouse TNFa, IL6, CAT, GPX4, LDH, 5-Plex	LMA133Mu, LMA079Mu, LMC418Mu, LMC994Mu, LMB864Mu	Obesity / Diabetes Complications / Alzheimer's Disease / Environmental Lung Injury / Cardiac Failure
IS135-245	Multiplex Assay Kit for rabbit IL6, MCP1, TNNT3, 3-Plex	LMA079Rb, LMA087Rb, LMA478Rb	Cardiomyopathy / Renal Cell Carcinoma
IS135-249	Multiplex Assay Kit for Rat AGE, ANP, BNP, CP, CTN, Hcy, INS, UA, 8-Plex	LMB353Ge, LMA225Ra, LMA541Ra, LMA447Ra, LMV806Ge, LMD984Ge, LMA448Ra, LMS529Ge	Diabetes / Kidney Disease / Heart Failure
IS135-257	Multiplex Assay Kit for Rat COL1, COL3, CTGF, Smad2, Smad7, 5-Plex	LMA571Ra, LMA176Ra, LMA010Ra, LMC124Ra, LMA648Ra	Liver Fibrosis / Lung Fibrosis / Kidney Fibrosis / Cardiac Muscle Fibrosis

Endocrinology Diseases

Endocrine refers to the phenomenon that substances produced by body tissues are directly secreted in body fluids. In mammals, it is generally considered that glands secrete endocrine signaling molecules such as hormones into body fluids, then the hormones are transported to target cells through the body fluid circulation system, to act on target cells, causing physiological and biochemical changes in the organisms.

In vertebrate cells, proteins-based hormones and peptide-based account for 80% of all the hormones, and these two types of hormones usually only bind to cytoplasmic membrane receptors. Signals are delivered intracellularly through the cell membrane transmembrane protein. Steroid hormones are synthesized on the smooth endoplasmic reticulum using cholesterol enzymes. They are insoluble in water, so they are usually combined with proteins in the blood and then transported to target cells through the blood circulation. Steroid hormones can act on the receptors in target cells through the plasma membrane of target cells.

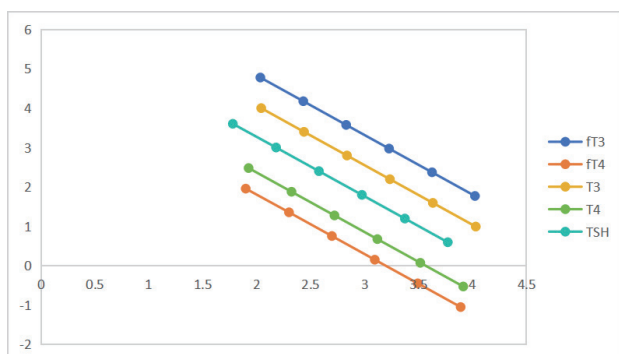
Amino acid derivatives are mainly small molecular hormones derived from tyrosine, such as adrenaline and thyroxine. Adrenalin and its derivatives act on membrane receptors, while thyroxine binds to intracellular receptors across the plasma membrane.

In living organisms, environmental factors, age, and fertility all have a certain degree of influence on body's endocrine system. If it is within the body's regulatory range, it can promote the efficient development of life activities; once it exceeds the controllable range, the body often appears endocrine disorders. If the hormone levels can not return to normal state for a long time, it often causes the organism to become morbid, and even causes death.

Cloud-Clone Multiplex Assay Kit Detection Cases for Endocrinology Diseases

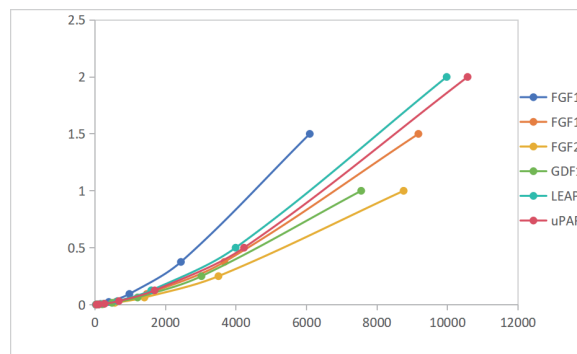
IS135-188

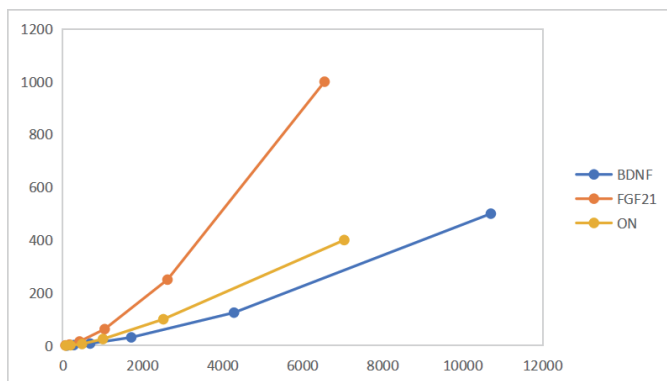
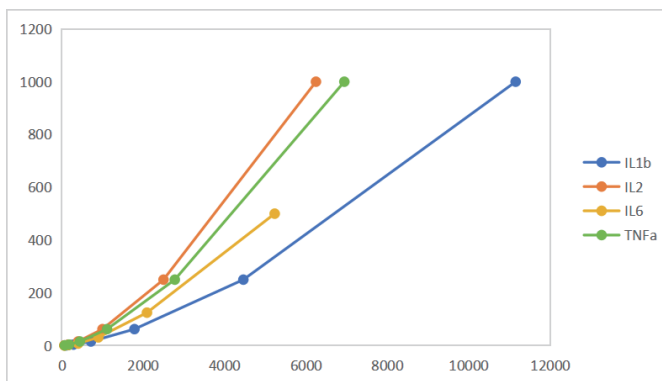
Multiplex Assay Kit for Mouse ft3, ft4, T3, T4, TSH, 5-Plex



IS135-86

Multiplex Assay Kit for Human FGF1, FGF19, FGF21, GDF15, LEAP2, uPAR, 6-Plex



IS135-253
Multiplex Assay Kit for Rat BDNF, FGF21, ON, 3-Plex

IS135-264
Multiplex Assay Kit for Rat IL1b, IL2, IL6, TNFa, 4-Plex

Cloud-Clone Multiplex Assay Kit Plex for Endocrinology Diseases

Product	Product Name	Contents	Research Field
IS135-4	Multiplex Assay Kit for Mouse TGFb1, TNFa, IFNg, IL6, IL10, INS, IL17, 7-Plex	LMA124Mu, LMA133Mu, LMA049Mu, LMA079Mu, LMA056Mu, LMA448Mu, LMA063Mu	Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-5	Multiplex Assay Kit for Human IFNg, IL6, 2-Plex	LMA049Hu, LMA079Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Colorectal Cancer / Endometriosis / Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-7	Multiplex Assay Kit for Human TSH, T3, T4, ft3, ft4, 5-Plex	LMA463Hu, LMA453Ge, LMA452Ge, LMA186Ge, LMA185Ge	Hyperthyroidism / Hypothyroidism
IS135-10	Multiplex Assay Kit for Mouse CCL-5, IL1a, TNFa, CXCL-10, CXCL-11, IFN-beta, 6-Plex	LMA116Mu, LMA071Mu, LMA133Mu, LMA371Mu, LMC071Mu, LMA222Mu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Multiple Sclerosis / Type 1 Diabetes / Melanoma / Breast Cancer
IS135-12	Multiplex Assay Kit for Human BDNF, IL1RA, IL10, IL15, IL8 (CXCL8), IL6, LIF, TNF alpha, 8-Plex	LMA011Hu, LMA223Hu, LMA056Hu, LMA061Hu, LMA080Hu, LMA079Hu, LMA085Hu, LMA133Hu	Multiple Sclerosis / Type 1 Diabetes / Diabetic Nephropathy
IS135-13	Multiplex Assay Kit for Rat Calbindin, KIM-1, OPN, TFF3, VEGF-A, 5-Plex	LMG438Ra, LMA785Ra, LMA899Ra, LMB656Ra, LMA143Ra	Kidney Injury / Chronic Kidney Disease / Renal Transplant Rejection / Renal Toxicity / Diabetic Nephropathy / Osteoporosis / Osteoarthritis
IS135-18	Multiplex Assay Kit for Human MMP-2, MMP-3, MMP-9, 3-Plex	LMA100Hu, LMA101Hu, LMA553Hu	Colorectal Cancer / Breast Cancer / Laryngeal Cancer / Bladder Cancer / Cervical Cancer / Thyroid Cancer / Lung Cancer / Mesothelioma / Atherosclerosis / Coronary Artery Aneurysm / Hypertension / Alzheimer's Disease / Multiple Sclerosis / Parkinson's Disease / Rheumatoid Arthritis / Periodontitis / Chronic Liver Disease / Inflammatory Bowel Disease / Meningitis
IS135-22	Multiplex Assay Kit for General ACTH, ADH, Cor, OT, 4-Plex	LMA836Ge, LMB139Ge, LMA462Ge, LMB052Ge	Endocrine Disorder Syndrome / Cushing's Syndrome

IS135-38	Multiplex Assay Kit for Human ANGPT1, ANGPT2, ESM1, ICAM2, SDC1, VCAM1, 6-Plex	LMA008Hu, LMA009Hu, LMC463Hu, LMA534Hu, LMB966Hu, LMA547Hu	Chronic Kidney Disease / Heart Failure / Diabetic Nephropathy
IS135-41	Multiplex Assay Kit for Human ANP, BNP, NTProBNP, TNNT2, 4-Plex	LMA225Hu, LMA541Hu, LMA485Hu, LMD232Hu	Hypertrophic Cardiomyopathy / Chronic Kidney Disease / Diabetes
IS135-47	Multiplex Assay Kit for Human BDNF, FGF21, ON, 3-Plex	LMA011Hu, LMC918Hu, LMA791Hu	Metabolic Optic Neuropathy / Diabetic Retinopathy / Ischemic Optic Neuropathy
IS135-56	Multiplex Assay Kit for Human GAS6, GREM1, LDH, PON1, RNASE3, 5-Plex	LMA204Hu, LMC128Hu, LMB864Hu, LMA243Hu, LMB758Hu	Acute Coronary Syndrome / Venous Thromboembolism / Diabetes / Fatty Liver
IS135-60	Multiplex Assay Kit for Human CD14, IL6, LEP, MCP1, TNFa, 5-Plex	LMA685Hu, LMA079Hu, LMA084Hu, LMA087Hu, LMA133Hu	Diabetes / Atherosclerosis / Inflammatory Bowel Disease / Rheumatoid Arthritis
IS135-61	Multiplex Assay Kit for Human CD163, IFNg, IL25, MIP3a, MPIF2, TNFa, 6-Plex	LMB726Hu, LMA049Hu, LMB694Hu, LMA095Hu, LMA695Hu, LMA133Hu	Ulcerative Colitis / Autoimmune Thyroid Disease / Influenza
IS135-70	Multiplex Assay Kit for Human CRBN, GPLD1, NFkB, 3-Plex	LMG676Hu, LMH975Hu, LMB824Hu	Diabetes / Insulin Resistance / Diabetic Osteoporosis
IS135-78	Multiplex Assay Kit for Human DEFA1, HTN1, STATH, 3-Plex	LMB705Hu, LMF487Hu, LMG441Hu	Behcet Disease / Type 2 Diabetes / Cystic Fibrosis / Hypertension
IS135-82	Multiplex Assay Kit for Human ENG, GMCSF, IL2, IL4, IL5, IL6, IL10, IL12, 8-Plex	LMA980Hu, LMA045Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA056Hu, LMA111Hu	Cardiovascular Diseases / Fibrosis / Nervous System Inflammation / Diabetes / Allergic Diseases / Melanoma
IS135-86	Multiplex Assay Kit for Human FGF1, FGF19, FGF21, GDF15, LEAP2, uPAR, 6-Plex	LMA032Hu, LMC917Hu, LMC918Hu, LMC034Hu, LMH750Hu, LMA141Hu	Type 2 Diabetes
IS135-91	Multiplex Assay Kit for Human GLUT1, GLUT2, GLUT3, PIK3Ca, PIK3Cd, PKBq, RPS6Kb1, 7-Plex	LMB185Hu, LMC040Hu, LMB635Hu, LMJ830Hu, LMJ832Hu, LMA382Hu, LML979Hu	Diabetes / Breast Cancer / Uveal Melanoma
IS135-95	Multiplex Assay Kit for Human GZMA, GZMB, IFNg, IL10, IL13, IL2, IL6, IL7, 8-Plex	LMA599Hu, LMA600Hu, LMA049Hu, LMA056Hu, LMA060Hu, LMA073Hu, LMA079Hu, LMA662Hu	Rheumatoid Arthritis / Airway Inflammation / Fibrosis / Type 2 Diabetes / Sepsis / Systemic Lupus Erythematosus / Vitiligo / Breast Cancer / Acute Necrotizing Encephalopathy / Periodontitis / Hematological Tumor Inflammation
IS135-97	Multiplex Assay Kit for Human HIF1a, IL1b, IL6, PECAM1, TNFa, VEGFA, 6-Plex	LMA798Hu, LMA563Hu, LMA079Hu, LMA363Hu, LMA133Hu, LMA143Hu	Cardiovascular Diseases / Neurodegenerative Diseases / Inflammatory Bowel Disease / Diabetic Complications
IS135-99	Multiplex Assay Kit for Human IFNa, IFNg, IL10, IL12, IL17, IL1b, IL2, IL4, IL5, IL6, IL8, TNFa, 12-Plex	LMA033Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA063Hu, LMA563Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu, LMA133Hu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Periodontitis / Diabetes / Alzheimer's Disease / Parkinson's Disease
IS135-101	Multiplex Assay Kit for Human IFNg, IL10, IL12, IL6, TNFa, 5-Plex	LMA049Hu, LMA056Hu, LMA111Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection
IS135-102	Multiplex Assay Kit for Human IFNg, IL10, IL17, IL2, IL6, TNFa, 6-Plex	LMA049Hu, LMA056Hu, LMA063Hu, LMA073Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection of HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis

IS135-103	Multiplex Assay Kit for Human IFNg, IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex	LMA049Hu, LMA056Hu, LMA064Hu, LMA071Hu, LMA563Hu, LMB688Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis / Depressive Disorder / Autism
IS135-107	Multiplex Assay Kit for Human IFNg, IL12B, IL13, IL15, IL17, 5-Plex	LMA049Hu, LMA058Hu, LMA060Hu, LMA061Hu, LMA063Hu	Hepatitis / Psoriasis / Enteritis / Multiple Sclerosis / Autoimmune Thyroid Disease
IS135-112	Multiplex Assay Kit for Human IGF1, RANTES, SDF1, 3-Plex	LMA050Hu, LMA116Hu, LMA122Hu	Atherosclerosis / Type 1 Diabetes / Tumor Metastasis
IS135-119	Multiplex Assay Kit for Human IL10, IL1RA, TNFa, 3-Plex	LMA056Hu, LMA223Hu, LMA133Hu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Coronary Artery Disease / Type 1 Diabetes / Sepsis and Post-traumatic Infection / Alzheimer's Disease / Stroke
IS135-146	Multiplex Assay Kit for Mouse ALD, AngII, ANP, BNP, CRF, EDN1, EPI, NE, PGE2, 9-Plex	LMA911Ge, LMA005Mu, LMA225Mu, LMA541Mu, LMA835Mu, LMA482Mu, LMA858Ge, LMA907Ge, LMA538Ge	Hypertension / Renal Dysfunction Caused by Hypertension / Diabetic Nephropathy / Heart Failure
IS135-173	Multiplex Assay Kit for Mouse COL4, COL4a1, LEP, MMP1, S100B, TIMP2, 6-Plex	LMA180Mu, LMA149Mu, LMA084Mu, LMA097Mu, LMA567Mu, LMA128Mu	Diabetic Nephropathy
IS135-188	Multiplex Assay Kit for Mouse fT3, fT4, T3, T4, TSH, 5-Plex	LMA186Ge, LMA185Ge, LMA453Ge, LMA452Ge, LMA463Mu	Thyroid Disease
IS135-195	Multiplex Assay Kit for Mouse HIF1a, IFNg, MCP1, 3-Plex	LMA798Mu, LMA049Mu, LMA087Mu	Lung Cancer / Atherosclerosis / Diabetic Nephropathy
IS135-207	Multiplex Assay Kit for Mouse IFNg, IL2, IL6, LPS, TNFa, VEGFA, 6-Plex	LMA049Mu, LMA073Mu, LMA079Mu, LMB526Ge, LMA133Mu, LMA143Mu	Diabetes / Infectious Diseases / Osteoarthritis
IS135-209	Multiplex Assay Kit for Mouse IGF1, RANTES, SDF1, 3-Plex	LMA050Mu, LMA116Mu, LMA122Mu	Diabetes / Atherosclerosis / Multiple Myeloma / Prostate Cancer
IS135-212	Multiplex Assay Kit for Mouse IL10, IL12, IL1b, IL6, TNFa, 5-Plex	LMA056Mu, LMA111Mu, LMA563Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Multiple Sclerosis / Infectious Diseases / Type 2 Diabetes
IS135-215	Multiplex Assay Kit for Mouse IL10, IL17, IL1a, IL1b, IL6, MCP1, TNFa, 7-Plex	LMA056Mu, LMA063Mu, LMA071Mu, LMA563Mu, LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Diabetes / Infectious Diseases / Periodontitis
IS135-218	Multiplex Assay Kit for Mouse IL10, IL1b, IL4, IL6, TNFa, 5-Plex	LMA056Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Type 2 Diabetes
IS135-220	Multiplex Assay Kit for Mouse IL10, IL4, IL6, LPS, OC, TNFa, 6-Plex	LMA056Mu, LMA077Mu, LMA079Mu, LMB526Mu, LMA471Mu, LMA133Mu	Periodontitis / Disc Disorders / Type 2 Diabetes
IS135-223	Multiplex Assay Kit for Mouse IL13, IL17, IL4, IL5, TNFa, 5-Plex	LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu, LMA133Mu	Psoriasis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Type 2 Diabetes
IS135-228	Multiplex Assay Kit for Mouse IL1b, TNFa, 2-Plex	LMA563Mu, LMA133Mu	Intervertebral Disc Degeneration / Rheumatoid Arthritis / Type 2 Diabetes / Alzheimer's Disease / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease
IS135-230	Multiplex Assay Kit for Mouse IL6, MCP1, TNFa, 3-Plex	LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Atherosclerosis / Obesity-related Inflammation / Systemic Lupus Erythematosus / Neuroinflammation and Cognitive Impairment / Brain Aneurysm / Diabetic Nephropathy / Interstitial Lung Disease

IS135-236	Multiplex Assay Kit for Mouse TNF α , IL6, CAT, GPX4, LDH, 5-Plex	LMA133Mu, LMA079Mu, LMC418Mu, LMC994Mu, LMB864Mu	Obesity / Diabetes Complications / Alzheimer's Disease / Environmental Lung Injury / Cardiac Failure
IS135-244	Multiplex Assay Kit for rabbit IL1b, IL6, TNF α , TNFb, 4-Plex	LMA563Rb, LMA079Rb, LMA133Rb, LMA134Rb	Rheumatoid Arthritis / Autoimmune Thyroiditis / Type 2 Diabetes / Alzheimer's Disease / Colorectal Cancer
IS135-248	Multiplex Assay Kit for Rat ADPN, CRP, IGF1, 3-Plex	LMA605Ra, LMA821Ra, LMA050Ra	Type 2 Diabetes / Obesity
IS135-249	Multiplex Assay Kit for Rat AGE, ANP, BNP, CP, CTN, Hcy, INS, UA, 8-Plex	LMB353Ge, LMA225Ra, LMA541Ra, LMA447Ra, LMB806Ge, LMD984Ge, LMA448Ra, LMS529Ge	Diabetes / Kidney Disease / Heart Failure
IS135-253	Multiplex Assay Kit for Rat BDNF, FGF21, ON, 3-Plex	LMA011Ra, LMC918Ra, LMA791Ra	Osteoporosis / Diabetes
IS135-255	Multiplex Assay Kit for Rat CAT, HO1, HSF1, HSP70, IL1b, IL6, NFkB, TNF α , MUC2, 9-Plex	LMC418Ra, LMA584Ra, LMA435Ra, LMA873Ra, LMA563Ra, LMA079Ra, LMB824Ra, LMA133Ra, LMA705Ra	Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease / Type 2 Diabetes / Alzheimer's Disease / Rheumatoid Arthritis
IS135-256	Multiplex Assay Kit for Rat CAT, PECAM1, 2-Plex	LMC418Ra, LMA363Ra	Atherosclerosis / Diabetes / Schizophrenia
IS135-258	Multiplex Assay Kit for Rat CP, IAPP, PP, PYY, 4-Plex	LMA447Ra, LMA812Ra, LMA632Ra, LMB067Ra	Type 2 Diabetes / Insulin β -cell Dysfunction / Obesity
IS135-259	Multiplex Assay Kit for Rat DEFA1, FBN1, FNDC5, HMG1, MT1, 5-Plex	LMB705Ra, LMA593Ra, LMN576Ra, LMA399Ra, LMB119Ra	Atherosclerosis / Diabetes
IS135-264	Multiplex Assay Kit for Rat IL1b, IL2, IL6, TNF α , 4-Plex	LMA563Ra, LMA073Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease
IS135-265	Multiplex Assay Kit for Rat IL1b, IL6, TNF α , 3-Plex	LMA563Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease / Inflammatory Bowel Disease / Periodontitis

Gastrointestinal Disease

Gastrointestinal diseases (abbreviated as GI diseases) are conditions that affect the gastrointestinal tract, namely the esophagus, stomach, small intestine, large intestine and rectum; and the accessory organs of digestion, the liver, gallbladder, and pancreas. Both gastric diseases and liver diseases are core categories within digestive system disorders.

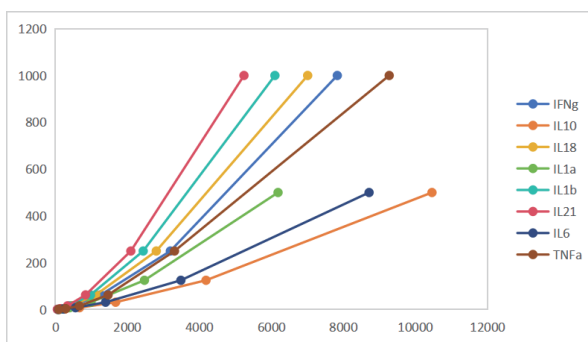
Gastrointestinal diseases include inflammatory conditions, peptic ulcers, irritable bowel syndrome, and cancers (gastric, esophageal, colorectal). Inflammation damages digestive tract cells, releasing matrix proteins into feces or serum. Detecting these biomarkers helps assess disease progression and severity. For example, gastric mucosal damage increases pepsin (PP) and gastrin-releasing peptide precursor (ProGRP) levels. Gastrointestinal cancers are linked to chronic inflammation and genetics. Cancer cells secrete specific tumor markers (TM) that indicates malignancy.

Liver diseases encompass viral hepatitis, fatty liver, alcoholic liver disease, cirrhosis, and liver cancer. Viral infection, alcohol abuse, or metabolic abnormalities damage hepatocytes, triggering inflammation, necrosis, and fibrosis. Liver cell injury releases specific substances into serum. Testing these biomarkers evaluates liver disease status. In viral hepatitis, alanine aminotransferase (ALT), aspartate aminotransferase (AST), and viral antigens/antibodies increase. Liver cancer associated with chronic inflammation (hepatitis B/C), genetics, and aflatoxin exposure. Hepatocellular carcinoma cells produce tumor markers like alpha-fetoprotein (AFP) that reflect cancer development.

Cloud-Clone Multiplex Assay Kit Detection Cases for Gastrointestinal Disease

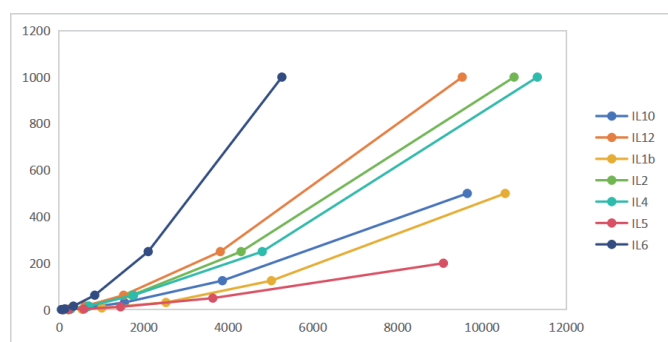
IS135-103

Multiplex Assay Kit for Human IFN γ , IL10, IL18, IL1a, IL1b, IL21, IL6, TNF α , 8-Plex



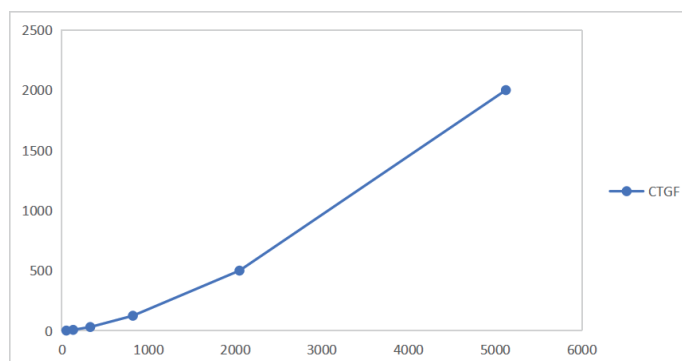
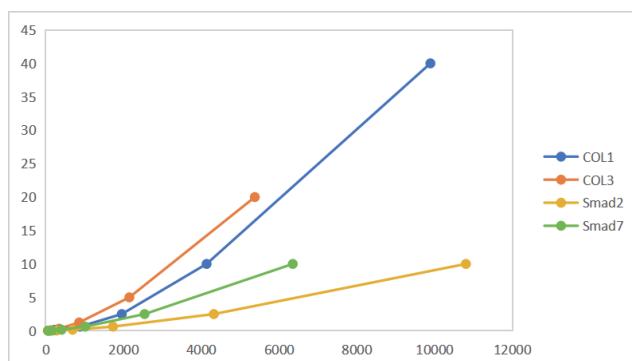
IS135-20

Multiplex Assay Kit for Gallus IL10, IL12, IL1b, IL2, IL4, IL5, IL6, 7-Plex



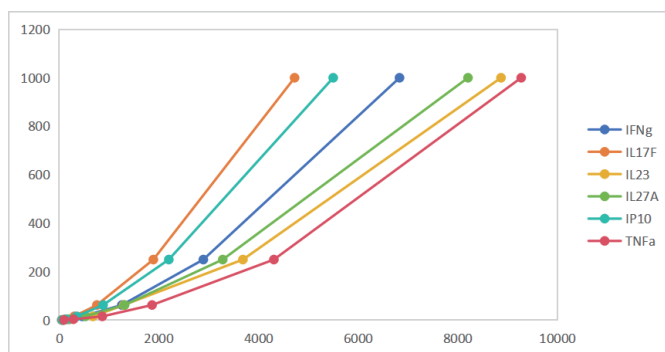
IS135-257

Multiplex Assay Kit for Rat COL1, COL3, CTGF, Smad2, Smad7, 5-Plex



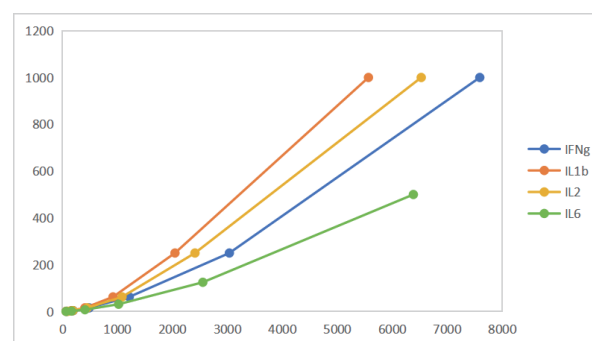
IS135-109

Multiplex Assay Kit for Human IFNg, IL17F, IL23, IL27, IP10, TNFa, 6-Plex



IS135-267

Multiplex Assay Kit for Sheep IFNg, IL1b, IL2, IL6, 4-Plex



Cloud-Clone Multiplex Assay Kit Plex for Gastrointestinal Disease

Product	Product Name	Contents	Research Field
IS135-1	Multiplex Assay Kit for Mouse IL1b, IL2, IL6, IL10, IL17, IL22, TNFa, 7-Plex	LMA563Mu, LMA073Mu, LMA079Mu, LMA056Mu, LMA063Mu, LMC032Mu, LMA133Mu	Chronic Periodontitis / Inflammatory Bowel Disease / Rheumatoid Arthritis / Vitiligo / Parkinson's Disease / Asthma
IS135-5	Multiplex Assay Kit for Human IFNg, IL6, 2-Plex	LMA049Hu, LMA079Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Colorectal Cancer / Endometriosis / Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-8	Multiplex Assay Kit for Mouse IL1b, IL6, IL10, TNFa, 4-Plex	LMA563Mu, LMA079Mu, LMA056Mu, LMA133Mu	Alzheimer's Disease / Osteoarthritis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Prostate Cancer / Sarcopenia
IS135-9	Multiplex Assay Kit for Mouse IL1b, IL4, IL6, IL12, IL13, IL15, TNFa, 7-Plex	LMA563Mu, LMA077Mu, LMA079Mu, LMA111Mu, LMA060Mu, LMA061Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Cytokine Storm Syndrome / Atherosclerosis / Periodontitis / Alzheimer's Disease / Primary Myelofibrosis
IS135-14	Multiplex Assay Kit for Rat Eotaxin (CCL11), GRO alpha (CXCL1), IP-10 (CXCL10), MCP-1 (CCL2), MCP-3 (CCL7), MIP-1 alpha (CCL3), MIP-2, RANTES (CCL5), 8-Plex	LMA025Ra, LMA041Ra, LMA371Ra, LMA087Ra, LMA089Ra, LMA092Ra, LMB603Ra, LMA116Ra	Asthma / Atopic Dermatitis / Chronic Obstructive Pulmonary Disease / Autoimmune Hepatitis / Multiple Sclerosis / Rheumatoid Arthritis / Acute Lung Injury / Neurodevelopmental Disorders

IS135-15	Multiplex Assay Kit for Human GMCSF, IFN γ , IL2, I-4, IL6, IL8, IL10, TNF α , 8-Plex	LMA045Hu, LMA049Hu, LMA073Hu, LMA077Hu, LMA079Hu, LMA080Hu, LMA056Hu, LMA133Hu	Chronic Hepatitis / Rheumatoid Arthritis / Autoimmune Hepatitis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Alzheimer's Disease / Schizophrenia / Periodontitis / Gastric Cancer / Hepatocellular Carcinoma
IS135-16	Multiplex Assay Kit for Mouse IFN alpha, IFN beta, 2-Plex	LMA033Mu, LMA222Mu	Chronic Hepatitis B / Chronic Hepatitis C / Systemic Lupus Erythematosus / Multiple Sclerosis / Rheumatoid Arthritis / Renal Cell Carcinoma / Melanoma / Multiple Myeloma / Lung Cancer / Hepatocellular Carcinoma
IS135-17	Multiplex Assay Kit for Human MMP-1, MMP-2, MMP-7, MMP-9, MMP-10, 5-Plex	LMA097Hu, LMA100Hu, LMA102Hu, LMA553Hu, LMA098Hu	Pulmonary Fibrosis / Pulmonary Emphysema / Atherosclerosis / Myocardial Infarction / Osteoarthritis / Rheumatoid Arthritis / Multiple Sclerosis / Parkinson's Disease / Alzheimer's Disease / Inflammatory Bowel Disease / Liver Cancer / Periodontal Disease
IS135-18	Multiplex Assay Kit for Human MMP-2, MMP-3, MMP-9, 3-Plex	LMA100Hu, LMA101Hu, LMA553Hu	Colorectal Cancer / Breast Cancer / Laryngeal Cancer / Bladder Cancer / Cervical Cancer / Thyroid Cancer / Lung Cancer / Mesothelioma / Atherosclerosis / Coronary Artery Aneurysm / Hypertension / Alzheimer's Disease / Multiple Sclerosis / Parkinson's Disease / Rheumatoid Arthritis / Periodontitis / Chronic Liver Disease / Inflammatory Bowel Disease / Meningitis
IS135-19	Multiplex Assay Kit for Gallus IFN α , IFN γ , IL15, IL17, IL18, MIP1b, TNF α , 7-Plex	LMA033Ga, LMA049Ga, LMA061Ga, LMA063Ga, LMA064Ga, LMA093Ga, LMA133Ga	Systemic Lupus Erythematosus / Psoriasis / Rheumatoid Arthritis / Hepatitis / Breast Cancer
IS135-20	Multiplex Assay Kit for Gallus IL10, IL12, IL1b, IL2, IL4, IL5, IL6, 7-Plex	LMA056Ga, LMA111Ga, LMA563Ga, LMA073Ga, LMA077Ga, LMA078Ga, LMA079Ga	AIDS / Inflammatory Bowel Disease / Sepsis / Rheumatoid Arthritis / Urticaria / Allergic Asthma
IS135-24	Multiplex Assay Kit for Guinea pig IFN α , IFN γ , IL10, IL2, IL6, IL8, MCP1, RANTES, TNF α , 9-Plex	LMA033Gu, LMA049Gu, LMA056Gu, LMA073Gu, LMA079Gu, LMA080Gu, LMA087Gu, LMA116Gu, LMA133Gu	Rheumatoid Arthritis / Enteritis
IS135-25	Multiplex Assay Kit for Guinea pig IFN α , IFN γ , IL10, IL6, IL8, MCP1, RANTES, 7-Plex	LMA033Gu, LMA049Gu, LMA056Gu, LMA079Gu, LMA080Gu, LMA087Gu, LMA116Gu	Hepatitis B / HIV Infection / Chronic Obstructive Pulmonary Disease / Bladder Cancer
IS135-35	Multiplex Assay Kit for Human ALP, ALT, AST, ALB, LDH, 5-Plex	LMB472Hu, LMA207Hu, LMB214Hu, LMB028Hu, LMB864Hu	Viral Hepatitis / Fatty Liver
IS135-37	Multiplex Assay Kit for Human ALT, BNP, CKM, CKMB, EPO, IL1b, LDH, TNF α , 8-Plex	LMA207Hu, LMA541Hu, LMA109Hu, LMA479Hu, LMA028Hu, LMA563Hu, LMB864Hu, LMA133Hu	Hepatitis / Nephritis / Heart Failure / Myocardial Infarction
IS135-43	Multiplex Assay Kit for Human ATG12, ATG5, BAD, Bax, Bcl2, BECN1, CASP9, GSDMD, HRAS, MCL1, 10-Plex	LML224Hu, LML221Hu, LMC337Hu, LMB343Hu, LMA778Hu, LMJ557Hu, LMA627Hu, LME529Hu, LMB294Hu, LMC615Hu	Multiple Myeloma / Gastric Cancer / Colorectal Cancer
IS135-50	Multiplex Assay Kit for Human BLC, BMP6, CXCR4, IFN α , IFN γ , IL17, IL6, TNF α , TNFSF12, 9-Plex	LMB601Hu, LMA646Hu, LMA940Hu, LMA033Hu, LMA049Hu, LMA063Hu, LMA079Hu, LMA133Hu, LMD933Hu	Inflammatory Bowel Disease / Multiple Sclerosis / Bullous Pemphigoid
IS135-52	Multiplex Assay Kit for Human BLC, CXCL14, CXCL16, CXCL17, CXCL2, CXCL7, GCP2, SDF1, 8-Plex	LMB601Hu, LMB607Hu, LMA771Hu, LMC068Hu, LMB603Hu, LMA370Hu, LMB570Hu, LMA122Hu	Gastric Cancer / Lung Cancer / Pancreatic Cancer / Colon Cancer / Ovarian Cancer
IS135-56	Multiplex Assay Kit for Human GAS6, GREM1, LDH, PON1, RNASE3, 5-Plex	LMA204Hu, LMC128Hu, LMB864Hu, LMA243Hu, LMB758Hu	Acute Coronary Syndrome / Venous Thromboembolism / Diabetes / Fatty Liver

IS135-60	Multiplex Assay Kit for Human CD14, IL6, LEP, MCP1, TNFa, 5-Plex	LMA685Hu, LMA079Hu, LMA084Hu, LMA087Hu, LMA133Hu	Diabetes / Atherosclerosis / Inflammatory Bowel Disease / Rheumatoid Arthritis
IS135-61	Multiplex Assay Kit for Human CD163, IFNg, IL25, MIP3a, MPIF2, TNFa, 6-Plex	LMB726Hu, LMA049Hu, LMB694Hu, LMA095Hu, LMA695Hu, LMA133Hu	Ulcerative Colitis / Autoimmune Thyroid Disease / Influenza
IS135-65	Multiplex Assay Kit for Human CK19, GPC3, MK, 3-Plex	LMB239Hu, LMA971Hu, LMA631Hu	Liver Cancer
IS135-66	Multiplex Assay Kit for Human CLDN1, CLDN18, CLDN2, CLDN3, CLDN4, CLDN5, CLDN6, CLDN8, 8-Plex	LMC388Hu, LMB100Hu, LMF292Hu, LMF293Hu, LMF294Hu, LMF295Hu, LMQ257Hu, LMF298Hu	Gastric Cancer / Colorectal Cancer
IS135-67	Multiplex Assay Kit for Human COL10, COL8a1, COL8a2, FBLN7, MGP, PODN, 6-Plex	LMC156Hu, LMC146Hu, LMD124H, LMF420H, LMB477Hu, LMG186Hu	Bone and Joint Diseases / Colorectal Cancer / Osteosarcoma
IS135-71	Multiplex Assay Kit for Human CTLA4, GAL9, HAVCR2, IL15, IL2Ra, LAG3, PDCD1, TNFRSF7, 8-Plex	LMB230Hu, LMA309Hu, LMH930Hu, LMA061Hu, LMB837Hu, LMB663Hu, LMA751Hu, LMB043Hu	Liver Cancer / Tuberculosis
IS135-75	Multiplex Assay Kit for Human CX3CL1, IL10Ra, IL18R1, TNFb, 4-Plex	LMA040Hu, LMB626Hu, LMB652Hu, LMA134Hu	Airway Fibrosis / Pulmonary Fibrosis / Hepatic Fibrosis
IS135-76	Multiplex Assay Kit for Human CXCL1, CXCL2, ENA78, GCP2, IL8, MCP1, MIP1a, MMP1, 8-Plex	LMA041Hu, LMB603Hu, LMA860Hu, LMB570Hu, LMA080Hu, LMA087Hu, LMA092Hu, LMA097Hu	Inflammatory Bowel Disease / Ovarian Cancer / Head and Neck Cancer
IS135-77	Multiplex Assay Kit for Human CXCL1, CXCL3, ENA78, IL8, IP10, ITaC, MIg, PF4, 8-Plex	LMA041Hu, LMB603Hu, LMA860Hu, LMA080Hu, LMA371Hu, LMC071Hu, LMB928Hu, LMA172Hu	Gastric Cancer / Colitis / Atherosclerosis
IS135-79	Multiplex Assay Kit for Human EGF, FGF2, HGF, NGF, PDGFAA, PDGFB, VEGF165, VEGFD, 8-Plex	LMA560Hu, LMA551Hu, LMA047Hu, LMA105Hu, LMA523Hu, LMC921Hu, LMB696Hu, LMA146Hu	Colorectal Cancer / Hepatocellular Carcinoma / Ovarian Cancer
IS135-83	Multiplex Assay Kit for Human ERK1, JAK1, MAP1LC3a, NFkB, PIK3Cb, PKBa, STAT5A, STAT1, STAT3, TP53, 10-Plex	LMB357Hu, LMC551Hu, LML701Hu, LMB824Hu, LMJ829Hu, LMC231Hu, LMB738Mi, LMB740Hu, LMB743Hu, LMS556Hu	Neurodegenerative Diseases / Colorectal Cancer / Psoriasis
IS135-84	Multiplex Assay Kit for Human ESM1, IL6, IL8, NTProBNP, SELE, TREM1, 6-Plex	LMC463Hu, LMA079Hu, LMA080Hu, LMA485Hu, LMA029Hu, LMA213Hu	Cardiovascular Diseases / Glioma / Alzheimer's Disease / Colitis
IS135-88	Multiplex Assay Kit for Human GCSF, IFNg, IL10, IL12, IL13, IL17, IL1a, IL1b, IL6, IL8, MCP1, MIP1a, MIP1b., 13-Plex	LMA042Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA060Hu, LMA063Hu, LMA071Hu, LMA563Hu, LMA079Hu, LMA080Hu, LMA087Hu, LMA092Hu, LMA093Hu	Leukemia / Rheumatoid Arthritis / Inflammatory Bowel Disease / Multiple Sclerosis / Systemic Lupus Erythematosus / Psoriasis
IS135-94	Multiplex Assay Kit for Human GPC3, KRT19, MK, 3-Plex	LMA971Hu, LMB239Hu, LMA631Hu	Liver Cancer / Lung Cancer / Breast Cancer
IS135-96	Multiplex Assay Kit for Human HGF, MMP1, MMP12, RAGE, SPD, 5-Plex	LMA047Hu, LMA097Hu, LMA402Hu, LMA645Hu, LMB039Hu	Cardiovascular Diseases / Colorectal Cancer / Rheumatoid Arthritis / Head and Neck Squamous Cell Carcinoma / Oral Cancer / Inflammatory Bowel Disease / Alzheimer's Disease
IS135-97	Multiplex Assay Kit for Human HIF1a, IL1b, IL6, PECAM1, TNFa, VEGFA, 6-Plex	LMA798Hu, LMA563Hu, LMA079Hu, LMA363Hu, LMA133Hu, LMA143Hu	Cardiovascular Diseases / Neurodegenerative Diseases / Inflammatory Bowel Disease / Diabetic Complications

IS135-99	Multiplex Assay Kit for Human IFN α , IFN γ , IL10, IL12, IL17, IL1b, IL2, IL4, IL5, IL6, IL8, TNF α , 12-Plex	LMA033Hu, LMA049Hu, LMA056Hu, LMA111Hu, LMA063Hu, LMA563Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu, LMA133Hu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Periodontitis / Diabetes / Alzheimer's Disease / Parkinson's Disease
IS135-101	Multiplex Assay Kit for Human IFN γ , IL10, IL12, IL6, TNF α , 5-Plex	LMA049Hu, LMA056Hu, LMA111Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection
IS135-102	Multiplex Assay Kit for Human IFN γ , IL10, IL17, IL2, IL6, TNF α , 6-Plex	LMA049Hu, LMA056Hu, LMA063Hu, LMA073Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection of HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis
IS135-103	Multiplex Assay Kit for Human IFN γ , IL10, IL18, IL1a, IL1b, IL21, IL6, TNF α , 8-Plex	LMA049Hu, LMA056Hu, LMA064Hu, LMA071Hu, LMA563Hu, LMB688Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis / Depressive Disorder / Autism
IS135-104	Multiplex Assay Kit for Human IFN γ , IL10, IL1b, IL2, IL35, IL4, IL6, TNF α , 8-Plex	LMA049Hu, LMA056Hu, LMA563Hu, LMA073Hu, LMC008Hu, LMA077Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / Pneumonia / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Leukemia / Depressive Disorder
IS135-105	Multiplex Assay Kit for Human IFN γ , IL12, IL17, IL1b, IL4, IL5, TNF α , 7-Plex	LMA049Hu, LMA111Hu, LMA063Hu, LMA563Hu, LMA077Hu, LMA078Hu, LMA133Hu	Hepatitis / Pancreatitis / Gastric Cancer / Rotavirus Infection / Leukemia / HIV and HHV-8 Co-Infection
IS135-106	Multiplex Assay Kit for Human IFN γ , IL12, IL2, IL4, IL6, 5-Plex	LMA049Hu, LMA111Hu, LMA073Hu, LMA077Hu, LMA079Hu	Hepatitis / Pancreatitis / Gastric Cancer / Bladder Cancer / Leukemia / Psoriasis / Rotavirus Infection
IS135-107	Multiplex Assay Kit for Human IFN γ , IL12B, IL13, IL15, IL17, 5-Plex	LMA049Hu, LMA058Hu, LMA060Hu, LMA061Hu, LMA063Hu	Hepatitis / Psoriasis / Enteritis / Multiple Sclerosis / Autoimmune Thyroid Disease
IS135-109	Multiplex Assay Kit for Human IFN γ , IL17F, IL23, IL27, IP10, TNF α , 6-Plex	LMA049Hu, LMB955Hu, LMX262Hu, LMA385Hu, LMA371Hu, LMA133Hu	Inflammatory Bowel Disease
IS135-111	Multiplex Assay Kit for Human IFN γ , IL2, TNF α , 3-Plex	LMA049Hu, LMA073Hu, LMA133Hu	Multiple Sclerosis / Non-alcoholic Fatty Liver Disease / Brain Neurodegenerative Diseases / Alzheimer's Disease / Parkinson's Disease
IS135-113	Multiplex Assay Kit for Human IL10, IL11, IL17, IL21, IL22, IL23, 6-Plex	LMA056Hu, LMA057Hu, LMA063Hu, LMB688Hu, LMC032Hu, LMX262Hu	Liver Fibrosis/Alcoholic Liver Disease
IS135-118	Multiplex Assay Kit for Human IL10, IL17, IL18, IL1b, IL6, MIF, TNF α , 7-Plex	LMA056Hu, LMA063Hu, LMA064Hu, LMA563Hu, LMA079Hu, LMA698Hu, LMA133Hu	Toxoplasma Infection / Psoriasis / Hepatitis / Granulomatous Diseases / Rheumatoid Arthritis
IS135-120	Multiplex Assay Kit for Human IL10, IL6, NF κ b, 3-Plex	LMA056Hu, LMA079Hu, LMB824Hu	Autoimmune Diseases / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Psoriasis / Multiple Sclerosis
IS135-127	Multiplex Assay Kit for Human IL1b, IL6, IL8, TNF α , 4-Plex	LMA563Hu, LMA079Hu, LMA080Hu, LMA133Hu	Sepsis / Inflammatory Bowel Disease / Atherosclerosis / Rheumatoid Arthritis / Alzheimer's Disease / Behcet Disease
IS135-132	Multiplex Assay Kit for Human MUC5AC, MUC5B, sIgA, 3-Plex	LMA756Hu, LMA684Hu, LMA641Hu	Colorectal Cancer / Asthma
IS135-134	Multiplex Assay Kit for Human NT5C2, PES1, TIMP3, TPP1, 4-Plex	LMD941Hu, LMK173Hu, LMA129Hu, LMC828Hu	Hepatocellular Carcinoma
IS135-136	Multiplex Assay Kit for Human PKBa, PKBb, Smad2, Smad4, Smad5, Smad7, Smad9, 7-Plex	LMC231Hu, LMB719Hu, LMC124Hu, LMB925Hu, LMC122Hu, LMA648Hu, LMC121Hu	Pancreatic Cancer / Colorectal Cancer

IS135-145	Multiplex Assay Kit for Mouse ADAM17, ADAM10, MMP11, MMP1, 4-Plex	LMB555Mu, LMA766Mu, LMA224Mu, LMA097Mu	Gastric Cancer / Colorectal Cancer
IS135-148	Multiplex Assay Kit for Mouse ALP, ALT, AST, CKM, CKMB, LDH, 6-Plex	LMB472Mu, LMA207Mu, LMB214Mu, LMA109Mu, LMA479Mu, LMB864Mu	Cardiogenic Liver Injury / Polymyositis / Dermatomyositis
IS135-149	Multiplex Assay Kit for Mouse ALP, ALT, AST, ALB, LDH, 5-Plex	LMB472Mu, LMA207Mu, LMB214Mu, LMB028Mu, LMB864Mu	Liver Injury / Hepatocellular Carcinoma / Alcoholic Liver Disease / Hepatitis / Metabolic-related Fatty Liver Disease / Liver Cirrhosis
IS135-150	Multiplex Assay Kit for Mouse ALP, ALT, BNP, CKM, CKMB, LDH, 6-Plex	LMB472Mu, LMA207Mu, LMA541Mu, LMA109Mu, LMA479Mu, LMB864Mu	Cardiogenic Liver Injury / Polymyositis / Dermatomyositis / Chronic Kidney Disease
IS135-151	Multiplex Assay Kit for Mouse ALT, BNP, CKM, CKMB, EPO, IL1b, LDH, TNFa, 8-Plex	LMA207Mu, LMA541Mu, LMA109Mu, LMA479Mu, LMA028Mu, LMA563Mu, LMB864Mu, LMA133Mu	Cardiogenic Liver Injury / Muscle Injury / Chronic Kidney Disease
IS135-156	Multiplex Assay Kit for Mouse AREG, GMCSF, IFNg, IL10, IL12, IL13, IL17, IL1b, IL22, IL5, IL6, TNFa, 12-Plex	LMA006Mu, LMA045Mu, LMA049Mu, LMA056Mu, LMA111Mu, LMA060Mu, LMA063Mu, LMA563Mu, LMC032Mu, LMA078Mu, LMA079Mu, LMA133Mu	Colorectal Cancer / Gastric Cancer / Liver Cancer Inflammatory Microenvironment
IS135-157	Multiplex Assay Kit for Mouse Arg, GBP2, IL1b, IL6, NOS2, TNFa, 6-Plex	LMB120Mu, LME636Mu, LMA563Mu, LMA079Mu, LMA837Mu, LMA133Mu	Hepatocellular Carcinoma
IS135-158	Multiplex Assay Kit for Mouse ARG, IFNg, IL1b, IL6, VEGFA, 5-Plex	LMB120Mu, LMA049Mu, LMA563Mu, LMA079Mu, LMA143Mu	Breast Cancer / Colon Cancer / Lung Cancer Inflammatory Microenvironment
IS135-166	Multiplex Assay Kit for Mouse CAV1, CCND2, CRIP1, EGR1, IFITM3, SIRT1, 6-Plex	LMA214Mu, LMA586Mu, LMC402Mu, LMA416Mu, LMH830Hu, LME912Mu	Breast Cancer / Colon Cancer / Gastric Cancer Microenvironment
IS135-168	Multiplex Assay Kit for Mouse CEA, DAO, IFNg, IL10, IL2, TNFa, 6-Plex	LMA150Mu, LMA656Mu, LMA049Mu, LMA056Mu, LMA073Mu, LMA133Mu	Colorectal Cancer / Gastric Cancer / Melanoma Inflammation
IS135-176	Multiplex Assay Kit for Mouse CXCL1, GCSF, GMCSF, IFNg, IL17, MCSF, MIP1a, MIP3a, 8-Plex	LMA041Mu, LMA042Mu, LMA045Mu, LMA049Mu, LMA063Mu, LMA090Mu, LMA092Mu, LMA095Mu	Rheumatoid Arthritis / Multiple Sclerosis / Inflammatory Bowel Disease
IS135-178	Multiplex Assay Kit for Mouse CXCL1, IL6, TNFa, 3-Plex	LMA041Mu, LMA079Mu, LMA133Mu	Inflammatory Bowel Disease / Psoriasis / Rheumatoid Arthritis
IS135-184	Multiplex Assay Kit for Mouse EGF, FGF2, HGF, NGF, PDGFAA, VEGFD, 6-Plex	LMA560Mu, LMA551Mu, LMA047Mu, LMA105Mu, LMA523Mu, LMA146Mu	Liver Cancer / Lung Cancer Angiogenesis
IS135-189	Multiplex Assay Kit for Mouse GCP2, MIP1g, SCF, VCAM1, 4-Plex	LMB570Mu, LMC073Mu, LMA120Mu, LMA547Mu	Inflammatory Bowel Disease
IS135-190	Multiplex Assay Kit for Mouse GCSF, IL12, IL2, MCP1, MCSF, 5-Plex	LMA042Mu, LMA111Mu, LMA073Mu, LMA087Mu, LMA090Mu	Atherosclerosis/Inflammatory Bowel Disease
IS135-191	Multiplex Assay Kit for Mouse GMCSF, IFNg, IL10, IL17, IL17F, IL21, IL22, IL23, 8-Plex	LMA045Mu, LMA049Mu, LMA056Mu, LMA063Mu, LMB955Mu, LMB688Mu, LMC032Mu, LMX262Mu	Inflammatory Bowel Disease
IS135-193	Multiplex Assay Kit for Mouse GMCSF, IL17, IL6, TNFa, 4-Plex	LMA045Mu, LMA063Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis

IS135-198	Multiplex Assay Kit for Mouse IFN γ , IL10, IL12, IL17, IL1b, IL33, IL6, PEDF, 8-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA063Mu, LMA563Mu, LMB980Mu, LMA079Mu, LMB972Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis / Psoriatic Arthritis / Multiple Sclerosis / Asthma / Systemic Lupus Erythematosus
IS135-199	Multiplex Assay Kit for Mouse IFN γ , IL10, IL12, IL17a, IL1b, IL4, IL6, MCP1, MIP1a, MIP1b, TNFa, 11-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA063Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA087Mu, LMA092Mu, LMA093Mu, LMA133Mu	Autoimmune Diseases / Inflammatory Bowel Disease / Severe COVID-19 / Asthma
IS135-201	Multiplex Assay Kit for Mouse IFN γ , IL10, IL12, IL1b, IL4, IL6, TNFa, 7-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Inflammatory Bowel Disease / COVID-19 / Influenza / Tuberculosis
IS135-203	Multiplex Assay Kit for Mouse IFN γ , IL10, IL1b, IL6, SDF1, TNFa, VEGFA, 7-Plex	LMA049Mu, LMA056Mu, LMA563Mu, LMA079Mu, LMA122Mu, LMA133Mu, LMA143Mu	Inflammatory Bowel Disease / Rheumatoid Arthritis
IS135-204	Multiplex Assay Kit for Mouse IFN γ , IL10, IL6, TNFa, 4-Plex	LMA049Mu, LMA056Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Infectious Diseases
IS135-210	Multiplex Assay Kit for Mouse IL10, IL11, IL17, IL21, IL22, IL23, 6-Plex	LMA056Mu, LMA057Mu, LMA063Mu, LMB688Mu, LMC032Mu, LMX262Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Psoriasis / Inflammatory Bowel Disease
IS135-211	Multiplex Assay Kit for Mouse IL10, IL12, IL1b, IL4, IL6, TNFa, 6-Plex	LMA056Mu, LMA111Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Multiple Sclerosis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Infectious Diseases
IS135-213	Multiplex Assay Kit for Mouse IL10, IL12B, IL13, IL17, IL4, IL5, IL6, IL8, 8-Plex	LMA056Mu, LMA058Mu, LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA080Mu	Rheumatoid Arthritis / Asthma / Inflammatory Bowel Disease / Infectious Diseases
IS135-214	Multiplex Assay Kit for Mouse IL10, IL13, IL1A, IL1B, IL4, IL5, IL6, RANTES, 8-Plex	LMA056Mu, LMA060Mu, LMA071Mu, LMA563Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA116Mu	Asthma / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Psoriasis
IS135-215	Multiplex Assay Kit for Mouse IL10, IL17, IL1a, IL1b, IL6, MCP1, TNFa, 7-Plex	LMA056Mu, LMA063Mu, LMA071Mu, LMA563Mu, LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Diabetes / Infectious Diseases / Periodontitis
IS135-216	Multiplex Assay Kit for Mouse IL10, IL17, IL1b, IL6, MCP1, TGFb1, TNFa, 7-Plex	LMA056Mu, LMA063Mu, LMA563Mu, LMA079Mu, LMA087Mu, LMA124Mu, LMA133Mu	Ulcerative Colitis / Rheumatoid Arthritis / Non-alcoholic Fatty Liver Disease / Chronic Sinusitis / Endometriosis
IS135-217	Multiplex Assay Kit for Mouse IL10, IL17, IL22, 3-Plex	LMA056Mu, LMA063Mu, LMC032Mu	Rheumatoid Arthritis / Ulcerative Colitis / Alopecia Areata / Psoriasis
IS135-219	Multiplex Assay Kit for Mouse IL10, IL1b, IL4, PDGFBB, PDGFRb, TAN1, TNFa, VEGFA, 8-Plex	LMA056Mu, LMA563Mu, LMA077Mu, LMA633Mu, LMC061Mu, LMG797Mu, LMA133Mu, LMA143Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Sepsis
IS135-221	Multiplex Assay Kit for Mouse IL12, IL18, IL2, IL7, MCP1, TNFa, VEGFA, 7-Plex	LMA111Mu, LMA064Mu, LMA073Mu, LMA662Mu, LMA087Mu, LMA133Mu, LMA143Mu	Systemic Lupus Erythematosus / Alcoholic Liver Disease / Liver Injury after COVID-19
IS135-222	Multiplex Assay Kit for Mouse IL12, IL1b, IL6, MCSF, TNFa, 5-Plex	LMA111Mu, LMA563Mu, LMA079Mu, LMA090Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis and Psoriatic Arthritis / Systemic Lupus Erythematosus
IS135-223	Multiplex Assay Kit for Mouse IL13, IL17, IL4, IL5, TNFa, 5-Plex	LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu, LMA133Mu	Psoriasis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Type 2 Diabetes
IS135-224	Multiplex Assay Kit for Mouse IL17, IL1b, IL33, IL6, MCP1, MCP3, TNFa, 7-Plex	LMA063Mu, LMA563Mu, LMB980Mu, LMA079Mu, LMA087Mu, LMA089Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease

IS135-227	Multiplex Assay Kit for Mouse IL1b, IL6, TNFa, 3-Plex	LMA563Mu, LMA079Mu, LMA133Mu	Alzheimer's Disease / Vascular Dementia / Rheumatoid Arthritis / Ankylosing Spondylitis / Inflammatory Bowel Disease / Osteoarthritis / Malaria Infection / Autoimmune Hepatitis
IS135-228	Multiplex Assay Kit for Mouse IL1b, TNFa, 2-Plex	LMA563Mu, LMA133Mu	Intervertebral Disc Degeneration / Rheumatoid Arthritis / Type 2 Diabetes / Alzheimer's Disease / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease
IS135-233	Multiplex Assay Kit for Mouse PKBa, PKBb, Smad2, Smad4, Smad5, Smad7, Smad9, 7-Plex	LMC231Mu, LMB719Mu, LMC124Mu, LMB925Mu, LMC122Mu, LMA648Mu, LMC121Mu	Liver Fibrosis / Kidney Fibrosis / Pancreatic Cancer / Colorectal Cancer / Alzheimer's Disease
IS135-237	Multiplex Assay Kit for Rabbit IFNg, IL10, IL17, IL1a, IL1b, IL2, IL6, IL8, 8-Plex	LMA049Rb, LMA056Rb, LMA063Rb, LMA071Rb, LMA563Rb, LMA073Rb, LMA079Rb, LMA080Rb	Inflammatory Bowel Disease / Sepsis / Rheumatoid Arthritis / Psoriasis / Systemic Lupus Erythematosus / Viral Infection
IS135-238	Multiplex Assay Kit for rabbit IFNg, IL10, IL2, IL6, TNFa, 5-Plex	LMA049Rb, LMA056Rb, LMA073Rb, LMA079Rb, LMA133Rb	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Inflammatory Bowel Disease / Viral Infection
IS135-239	Multiplex Assay Kit for Rabbit IL17, IL1b, IL6, IL8, TNFa, IFNg, 6-Plex	LMA063Rb, LMA563Rb, LMA079Rb, LMA080Rb, LMA133Rb, LMA049Rb	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Sepsis / Infectious Diseases
IS135-242	Multiplex Assay Kit for Rabbit IL1b, IL6, IL8, MMP2, TNFa, 5-Plex	LMA563Rb, LMA079Rb, LMA080Rb, LMA100Rb, LMA133Rb	Rheumatoid Arthritis / Inflammatory Bowel Disease
IS135-244	Multiplex Assay Kit for rabbit IL1b, IL6, TNFa, TNFb, 4-Plex	LMA563Rb, LMA079Rb, LMA133Rb, LMA134Rb	Rheumatoid Arthritis / Autoimmune Thyroiditis / Type 2 Diabetes / Alzheimer's Disease / Colorectal Cancer
IS135-250	Multiplex Assay Kit for Rat ALPL, ALT, AST, IL6, LEP, OPG, PINP, RANKL, TNFa, 9-Plex	LMB091Ra, LMA207Ra, LMB214Ra, LMA079Ra, LMA084Ra, LMA108Ra, LMA957Ra, LMA855Ra, LMA133Ra	Osteoporosis / Cirrhosis
IS135-251	Multiplex Assay Kit for Rat Arg1, bFGF, CD163, HGF, IL10, IL1b, IL4, SDF1, VEGF, 9-Plex	LMB120Ra, LMA551Ra, LMB726Ra, LMA047Ra, LMA056Ra, LMA563Ra, LMA077Ra, LMA122Ra, LMA143Ra	Angiogenesis / Liver Cancer
IS135-255	Multiplex Assay Kit for Rat CAT, HO1, HSF1, HSP70, IL1b, IL6, NFkB, TNFa, MUC2, 9-Plex	LMC418Ra, LMA584Ra, LMA435Ra, LMA873Ra, LMA563Ra, LMA079Ra, LMB824Ra, LMA133Ra, LMA705Ra	Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease / Type 2 Diabetes / Alzheimer's Disease / Rheumatoid Arthritis
IS135-257	Multiplex Assay Kit for Rat COL1, COL3, CTGF, Smad2, Smad7, 5-Plex	LMA571Ra, LMA176Ra, LMA010Ra, LMC124Ra, LMA648Ra	Liver Fibrosis / Lung Fibrosis / Kidney Fibrosis / Cardiac Muscle Fibrosis
IS135-262	Multiplex Assay Kit for Rat IFNg, IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex	LMA049Ra, SEA056Ra, LMA064Ra, LMA071Ra, LMA563Ra, LMB688Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Alzheimer's Disease / Atherosclerosis
IS135-265	Multiplex Assay Kit for Rat IL1b, IL6, TNFa, 3-Plex	LMA563Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease / Inflammatory Bowel Disease / Periodontitis
IS135-266	Multiplex Assay Kit for Rat NFkB, STAT3, PKBa, 3-Plex	LMB824Ra, LMB743Ra, LMC231Ra	Rheumatoid Arthritis / Pancreatic Cancer / Hepatocellular Carcinoma
IS135-267	Multiplex Assay Kit for Sheep IFNg, IL1b, IL2, IL6, 4-Plex	LMA049Ov, LMA563Ov, LMA073Ov, LMA079Ov	Rheumatoid Arthritis / Multiple Sclerosis / Neuropsychiatric Systemic Lupus Erythematosus / Severe Depression / Autoimmune Hepatitis

Respiratory Diseases

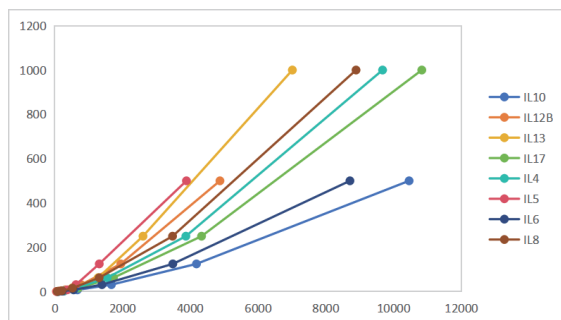
Respiratory diseases refer to a group of disorders affecting the nasal passages, airways, lungs, and associated respiratory structures. Major conditions include chronic obstructive pulmonary disease (COPD), asthma, pneumonia, pulmonary fibrosis, and lung cancer. These diseases commonly present with symptoms such as cough, sputum production, and dyspnea, and may lead to respiratory failure in severe cases. Based on pathogenesis and clinical course, they can be categorized into chronic inflammatory diseases, infectious diseases, interstitial lung diseases, and malignancies. Chronic respiratory diseases such as COPD and pulmonary fibrosis are characterized by high prevalence, low early diagnosis rates, and progressive deterioration. Without timely intervention, they can result in sustained decline in lung function and eventual respiratory failure. Acute respiratory diseases, including severe pneumonia and acute respiratory distress syndrome (ARDS), are frequently encountered in hospitalized patients and are associated with high mortality rates, particularly in the intensive care unit (ICU). Studies have shown that prognosis is closely related to etiology, intensity of inflammatory response, and comorbidities, underscoring the importance of early diagnosis and intervention for improving outcomes.

Current clinical diagnostic approaches for respiratory diseases primarily include pulmonary function tests, imaging examinations, and pathogen detection. However, these methods have limitations in detecting early pathological changes, determining etiology, and assessing prognosis. Advances in molecular biology and immunology have led to the identification of numerous biomarkers closely associated with the development and progression of respiratory diseases, which play increasingly important roles in auxiliary diagnosis, disease assessment, and treatment selection. The pathogenesis and progression of respiratory diseases involve core mechanisms such as chronic inflammation, dysregulated tissue repair, and immune imbalance. Key molecules implicated in disease progression include those involved in fibrotic processes—such as COL1, COL3, CTGF, Smad2, and Smad7—as well as cytokines regulating immune and inflammatory responses, including IL-1 β , IL-2, IL-4, IL-5, IL-6, IL-10, and IL-12. These factors play critical roles in airway remodeling, inflammation, and immune regulation. Their expression levels can be used to evaluate disease activity, progression risk, and treatment response, providing important basis for precise diagnosis and targeted therapy of respiratory diseases.

Cloud-Clone Multiplex Assay Kit Detection Cases for Respiratory Diseases

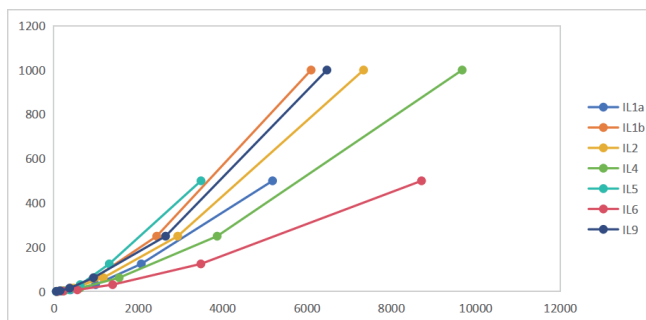
IS135-115

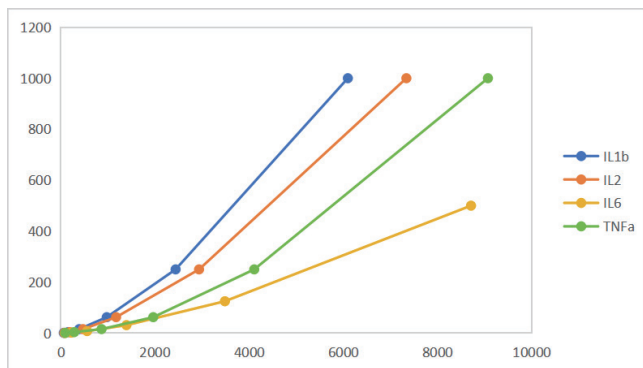
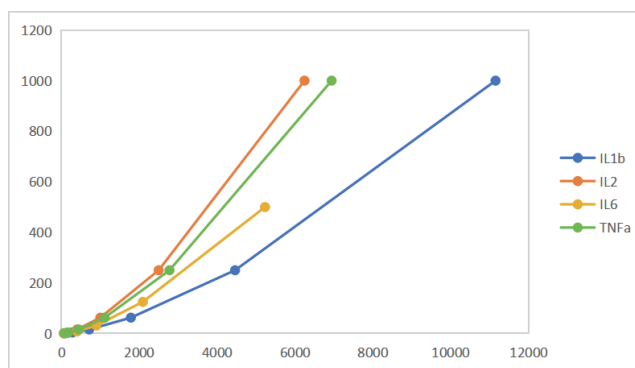
Multiplex Assay Kit for Human IL10, IL12B, IL13, IL17, IL4, IL5, IL6, IL8, 8-Plex



IS135-124

Multiplex Assay Kit for Human IL1a, IL1b, IL2, IL4, IL5, IL6, IL9, 7-Plex



IS135-126
Multiplex Assay Kit for Human IL1b, IL2, IL6, TNFa, 4-Plex

IS135-264
Multiplex Assay Kit for Rat IL1b, IL2, IL6, TNFa, 4-Plex

Cloud-Clone Multiplex Assay Kit Plex for Respiratory Diseases

Product	Product Name	Contents	Research Field
IS135-1	Multiplex Assay Kit for Mouse IL1b, IL2, IL6, IL10, IL17, IL22, TNFa, 7-Plex	LMA563Mu, LMA073Mu, LMA079Mu, LMA056Mu, LMA063Mu, LMC032Mu, LMA133Mu	Chronic Periodontitis / Inflammatory Bowel Disease / Rheumatoid Arthritis / Vitiligo / Parkinson's Disease / Asthma
IS135-2	Multiplex Assay Kit for Mouse IL2, IL4, IL5, TNFa, IFNg, 5-Plex	LMA563Mu, LMA077Mu, LMA078Mu, LMA133Mu, LMA049Mu	Asthma / Multiple Sclerosis / Parkinson's Disease
IS135-3	Multiplex Assay Kit for Rat IL2, IL4, IL5, TNFa, IFNg, 5-Plex	LMA563Ra, LMA077Ra, LMA078Ra, LMA133Ra, LMA049Ra	Asthma / Multiple Sclerosis / Parkinson's Disease
IS135-14	Multiplex Assay Kit for Rat Eotaxin (CCL11), GRO alpha (CXCL1), IP-10 (CXCL10), MCP-1 (CCL2), MCP-3 (CCL7), MIP-1 alpha (CCL3), MIP-2, RANTES (CCL5), 8-Plex	LMA025Ra, LMA041Ra, LMA371Ra, LMA087Ra, LMA089Ra, LMA092Ra, LMB603Ra, LMA116Ra	Asthma / Atopic Dermatitis / Chronic Obstructive Pulmonary Disease / Autoimmune Hepatitis / Multiple Sclerosis / Rheumatoid Arthritis / Acute Lung Injury / Neurodevelopmental Disorders
IS135-16	Multiplex Assay Kit for Mouse IFNa, IFNb, 2-Plex	LMA033Mu, LMA222Mu	Chronic Hepatitis B / Chronic Hepatitis C / Systemic Lupus Erythematosus / Multiple Sclerosis / Rheumatoid Arthritis / Renal Cell Carcinoma / Melanoma / Multiple Myeloma / Lung Cancer / Hepatocellular Carcinoma
IS135-17	Multiplex Assay Kit for Human MMP-1, MMP-2, MMP-7, MMP-9, MMP-10, 5-Plex	LMA097Hu, LMA100Hu, LMA102Hu, LMA553Hu, LMA098Hu	Pulmonary Fibrosis / Pulmonary Emphysema / Atherosclerosis / Myocardial Infarction / Osteoarthritis / Rheumatoid Arthritis / Multiple Sclerosis / Parkinson's Disease / Alzheimer's Disease / Inflammatory Bowel Disease / Liver Cancer / Periodontal Disease
IS135-18	Multiplex Assay Kit for Human MMP-2, MMP-3, MMP-9, 3-Plex	LMA100Hu, LMA101Hu, LMA553Hu	Colorectal Cancer / Breast Cancer / Laryngeal Cancer / Bladder Cancer / Cervical Cancer / Thyroid Cancer / Lung Cancer / Mesothelioma / Atherosclerosis / Coronary Artery Aneurysm / Hypertension / Alzheimer's Disease / Multiple Sclerosis / Parkinson's Disease / Rheumatoid Arthritis / Periodontitis / Chronic Liver Disease / Inflammatory Bowel Disease / Meningitis
IS135-20	Multiplex Assay Kit for Gallus IL10, IL12, IL1b, IL2, IL4, IL5, IL6, 7-Plex	LMA056Ga, LMA111Ga, LMA563Ga, LMA073Ga, LMA077Ga, LMA078Ga, LMA079Ga	AIDS / Inflammatory Bowel Disease / Sepsis / Rheumatoid Arthritis / Urticaria / Allergic Asthma

IS135-25	Multiplex Assay Kit for Guinea pig IFN α , IFN γ , IL10, IL6, IL8, MCP1, RANTES, 7-Plex	LMA033Gu, LMA049Gu, LMA056Gu, LMA079Gu, LMA080Gu, LMA087Gu, LMA116Gu	Hepatitis B / HIV Infection / Chronic Obstructive Pulmonary Disease / Bladder Cancer
IS135-40	Multiplex Assay Kit for Human ANGPT2, SELE, vWF, 3-Plex	LMA009Hu, LMA029Hu, LMA833Hu	Thrombus / Pulmonary Embolism
IS135-49	Multiplex Assay Kit for Human BGN, CC16, MMP2, MMP3, MMP8, MMP9, RNASE3, TIMP1, 8-Plex	LMJ226Hu, LMA857Hu, LMA100Hu, LMA101Hu, LMA103Hu, LMA553Hu, LMB758Hu, LMA552Hu	Chronic Obstructive Pulmonary Disease / Head and Neck Cancer / Renal Cell Carcinoma / Nephritis
IS135-52	Multiplex Assay Kit for Human BLC, CXCL14, CXCL16, CXCL17, CXCL2, CXCL7, GCP2, SDF1, 8-Plex	LMB601Hu, LMB607Hu, LMA771Hu, LMC068Hu, LMB603Hu, LMA370Hu, LMB570Hu, LMA122Hu	Gastric Cancer / Lung Cancer / Pancreatic Cancer / Colon Cancer / Ovarian Cancer
IS135-55	Multiplex Assay Kit for Human C3a, C4a, 2-Plex	LMA387Hu, LMA389Hu	Systemic Lupus Erythematosus / IgA Nephropathy / Henoch-Schonlein Purpura Nephritis / Lyme Disease / Chronic Obstructive Pulmonary Disease / Heart Failure
IS135-57	Multiplex Assay Kit for Human CASP1, CASP4, CASP5, GSDMD, NLRC4, NLRP3, 6-Plex	LMB592Hu, LMB735Hu, LMA770Hu, LME529Hu, LML954Hu, LMK115Hu	Ankylosing Spondylitis / Rheumatoid Arthritis / Multiple Sclerosis / COVID-19 / Pneumonia
IS135-59	Multiplex Assay Kit for Human CCR6, IL1b, IL5, IL9, IP10, IL1g, RANTES, TNFa, 6-Plex	LMC014Hu, LMA563Hu, LMA078Hu, LMA081Hu, LMA371Hu, LMB928Hu, LMA116Hu, LMA133Hu	Crohn's Disease / Parkinson's Disease / Chronic Obstructive Pulmonary Disease / Graves' Disease
IS135-68	Multiplex Assay Kit for Human COMP, IL1b, IL1RA, IL6, TIMP2, 5-Plex	LMB197Hu, LMA563Hu, LMA223Hu, LMA079Hu, LMA128Hu	Osteoarthritis / Systemic Lupus Erythematosus / Lung Cancer / Gastric Cancer / Bladder Cancer
IS135-75	Multiplex Assay Kit for Human CX3CL1, IL10Ra, IL18R1, TNFb, 4-Plex	LMA040Hu, LMB626Hu, LMB652Hu, LMA134Hu	Airway Fibrosis / Pulmonary Fibrosis / Hepatic Fibrosis
IS135-94	Multiplex Assay Kit for Human GPC3, KRT19, MK, 3-Plex	LMA971Hu, LMB239Hu, LMA631Hu	Liver Cancer / Lung Cancer / Breast Cancer
IS135-101	Multiplex Assay Kit for Human IFN γ , IL10, IL12, IL6, TNFa, 5-Plex	LMA049Hu, LMA056Hu, LMA111Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection
IS135-102	Multiplex Assay Kit for Human IFN γ , IL10, IL17, IL2, IL6, TNFa, 6-Plex	LMA049Hu, LMA056Hu, LMA063Hu, LMA073Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection of HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis
IS135-103	Multiplex Assay Kit for Human IFN γ , IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex	LMA049Hu, LMA056Hu, LMA064Hu, LMA071Hu, LMA563Hu, LMB688Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis / Depressive Disorder / Autism
IS135-104	Multiplex Assay Kit for Human IFN γ , IL10, IL1b, IL2, IL35, IL4, IL6, TNFa, 8-Plex	LMA049Hu, LMA056Hu, LMA563Hu, LMA073Hu, LMC008Hu, LMA077Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / Pneumonia / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Leukemia / Depressive Disorder
IS135-114	Multiplex Assay Kit for Human IL10, IL12A, IL13, IL17, IL4, IL5, IL6, IL8, 8-Plex	LMA056Hu, LMA059Hu, LMA060Hu, LMA063Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu	Asthma
IS135-115	Multiplex Assay Kit for Human IL10, IL12B, IL13, IL17, IL4, IL5, IL6, IL8, 8-Plex	LMA056Hu, LMA058Hu, LMA060Hu, LMA063Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu	Asthma

IS135-116	Multiplex Assay Kit for Human IL10, IL13, IL15, IL1b, IL4, IL5, IL6, IL8, 8-Plex	LMA056Hu, LMA060Hu, LMA061Hu, LMA563Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA080Hu	Phthisis
IS135-117	Multiplex Assay Kit for Human IL10, IL13, IL4, IL5, IL6, 5-Plex	LMA056Hu, LMA060Hu, LMA077Hu, LMA078Hu, LMA079Hu	Chronic Sinusitis / Phthisis
IS135-123	Multiplex Assay Kit for Human IL13, IL22, IL8, 3-Plex	LMA060Hu, LMC032Hu, LMA080Hu	Atopic Dermatitis / Allergic Asthma / Crohn's Disease
IS135-124	Multiplex Assay Kit for Human IL1a, IL1b, IL2, IL4, IL5, IL6, IL9, 7-Plex	LMA071Hu, LMA563Hu, LMA073Hu, LMA077Hu, LMA078Hu, LMA079Hu, LMA081Hu	Anaphylactic Rhinitis
IS135-126	Multiplex Assay Kit for Human IL1b, IL2, IL6, TNFa, 4-Plex	LMA563Hu, LMA073Hu, LMA079Hu, LMA133Hu	Anaphylactic Rhinitis
IS135-132	Multiplex Assay Kit for Human MUC5AC, MUC5B, sIgA, 3-Plex	LMA756Hu, LMA684Hu, LMA641Hu	Colorectal Cancer / Asthma
IS135-158	Multiplex Assay Kit for Mouse ARG, IFNg, IL1b, IL6, VEGFA, 5-Plex	LMB120Mu, LMA049Mu, LMA563Mu, LMA079Mu, LMA143Mu	Breast Cancer / Colon Cancer / Lung Cancer Inflammatory Microenvironment
IS135-175	Multiplex Assay Kit for Mouse CXCL1, CXCL2, ENA78, GCP2, MCP1, MIP1a, MMP1, 7-Plex	LMA041Mu, LMB603Mu, LMA860Mu, LMB570Mu, LMA087Mu, LMA092Mu, LMA097Mu	Chronic Obstructive Pulmonary Disease
IS135-180	Multiplex Assay Kit for Mouse DKK1, IDO, MBP, PIINP, RANKL, THBS1, TSPAN30, 7-Plex	LMA741Mu, LMB547Mu, LMA539Mu, LMA573Mu, LMA855Mu, LMA611Mu, LMB345Mu	Breast Cancer / Lung cancer with bone metastasis and nerve damage
IS135-182	Multiplex Assay Kit for Mouse ECF, IFNg, IL10, IL13, IL1b, IL4, IL5, TNFa, 8-Plex	LMA025Mu, LMA049Mu, LMA056Mu, LMA060Mu, LMA563Mu, LMA077Mu, LMA078Mu, LMA133Mu	Asthma
IS135-184	Multiplex Assay Kit for Mouse EGF, FGF2, HGF, NGF, PDGFAA, VEGFD, 6-Plex	LMA560Mu, LMA551Mu, LMA047Mu, LMA105Mu, LMA523Mu, LMA146Mu	Liver Cancer / Lung Cancer Angiogenesis
IS135-195	Multiplex Assay Kit for Mouse HIF1a, IFNg, MCP1, 3-Plex	LMA798Mu, LMA049Mu, LMA087Mu	Lung Cancer / Atherosclerosis / Diabetic Nephropathy
IS135-197	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL13, IL17, IL4, IL5, 7-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu	Asthma
IS135-198	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL17, IL1b, IL33, IL6, PEDF, 8-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA063Mu, LMA563Mu, LMB980Mu, LMA079Mu, LMB972Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Psoriasis / Psoriatic Arthritis / Multiple Sclerosis / Asthma / Systemic Lupus Erythematosus
IS135-199	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL17a, IL1b, IL4, IL6, MCP1, MIP1a, MIP1b, TNFa, 11-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA063Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA087Mu, LMA092Mu, LMA093Mu, LMA133Mu	Autoimmune Diseases / Inflammatory Bowel Disease / Severe COVID-19 / Asthma
IS135-200	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL1b, IL2, IL4, IL6, IP10, TNFa, TNFb, 7-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA563Mu, LMA073Mu, LMA077Mu, LMA079Mu, LMA371Mu, LMA133Mu, LMA134Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / COVID-19 / Influenza / Tuberculosis
IS135-201	Multiplex Assay Kit for Mouse IFNg, IL10, IL12, IL1b, IL4, IL6, TNFa, 7-Plex	LMA049Mu, LMA056Mu, LMA111Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Systemic Lupus Erythematosus / Rheumatoid Arthritis / Inflammatory Bowel Disease / COVID-19 / Influenza / Tuberculosis

IS135-202	Multiplex Assay Kit for Mouse IFNg, IL10, IL18, IL2, IL4, IL5, IL6, TNFa, 8-Plex	LMA049Mu, LMA056Mu, LMA064Mu, LMA073Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA133Mu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Asthma / Multiple Sclerosis
IS135-213	Multiplex Assay Kit for Mouse IL10, IL12B, IL13, IL17, IL4, IL5, IL6, IL8, 8-Plex	LMA056Mu, LMA058Mu, LMA060Mu, LMA063Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA080Mu	Rheumatoid Arthritis / Asthma / Inflammatory Bowel Disease / Infectious Diseases
IS135-214	Multiplex Assay Kit for Mouse IL10, IL13, IL1A, IL1B, IL4, IL5, IL6, RANTES, 8-Plex	LMA056Mu, LMA060Mu, LMA071Mu, LMA563Mu, LMA077Mu, LMA078Mu, LMA079Mu, LMA116Mu	Asthma / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Psoriasis
IS135-221	Multiplex Assay Kit for Mouse IL12, IL18, IL2, IL7, MCP1, TNFa, VEGFA, 7-Plex	LMA111Mu, LMA064Mu, LMA073Mu, LMA662Mu, LMA087Mu, LMA133Mu, LMA143Mu	Systemic Lupus Erythematosus / Alcoholic Liver Disease / Liver Injury after COVID-19
IS135-225	Multiplex Assay Kit for Mouse IL1b, IL18, BDNF, 3-Plex	LMA563Mu, LMA064Mu, LMA011Mu	Chronic Obstructive Pulmonary Disease / Post-stroke Depression
IS135-226	Multiplex Assay Kit for Mouse IL1b, IL6, LPS, TNFa, 4-Plex	LMA563Mu, LMA079Mu, LMB526Mu, LMA133Mu	Sepsis / Bacterial Mastitis / Severe COVID-19
IS135-228	Multiplex Assay Kit for Mouse IL1b, TNFa, 2-Plex	LMA563Mu, LMA133Mu	Intervertebral Disc Degeneration / Rheumatoid Arthritis / Type 2 Diabetes / Alzheimer's Disease / Systemic Lupus Erythematosus / Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease
IS135-229	Multiplex Assay Kit for Mouse IL5, IL13, IL10, IL17, IFNg, IL4, 6-Plex	LMA078Mu, LMA060Mu, LMA056Mu, LMA063Mu, LMA049Mu, LMA077Mu	Asthma / Atopic Dermatitis
IS135-230	Multiplex Assay Kit for Mouse IL6, MCP1, TNFa, 3-Plex	LMA079Mu, LMA087Mu, LMA133Mu	Rheumatoid Arthritis / Atherosclerosis / Obesity-related Inflammation / Systemic Lupus Erythematosus / Neuroinflammation and Cognitive Impairment / Brain Aneurysm / Diabetic Nephropathy / Interstitial Lung Disease
IS135-236	Multiplex Assay Kit for Mouse TNFa, IL6, CAT, GPX4, LDH, 5-Plex	LMA133Mu, LMA079Mu, LMC418Mu, LMC994Mu, LMB864Mu	Obesity / Diabetes Complications / Alzheimer's Disease / Environmental Lung Injury / Cardiac Failure
IS135-241	Multiplex Assay Kit for Rabbit IL1b, IL6, IL8, MCP1, MYO, S100B, TF, TNFa, 8-Plex	LMA563Rb, LMA079Rb, LMA080Rb, LMA087Rb, LMA480Rb, LMA567Rb, LMA524Rb, LMA133Rb	Chronic Obstructive Pulmonary Disease
IS135-246	Multiplex Assay Kit for Rabbit MCP1, MMP1, TNFa, 3-Plex	LMA087Rb, LMA097Rb, LMA133Rb	Atherosclerosis / Rheumatoid Arthritis / Chronic Obstructive Pulmonary Disease
IS135-255	Multiplex Assay Kit for Rat CAT, HO1, HSF1, HSP70, IL1b, IL6, NFkB, TNFa, MUC2, 9-Plex	LMC418Ra, LMA584Ra, LMA435Ra, LMA873Ra, LMA563Ra, LMA079Ra, LMB824Ra, LMA133Ra, LMA705Ra	Inflammatory Bowel Disease / Chronic Obstructive Pulmonary Disease / Type 2 Diabetes / Alzheimer's Disease / Rheumatoid Arthritis
IS135-257	Multiplex Assay Kit for Rat COL1, COL3, CTGF, Smad2, Smad7, 5-Plex	LMA571Ra, LMA176Ra, LMA010Ra, LMC124Ra, LMA648Ra	Liver Fibrosis / Lung Fibrosis / Kidney Fibrosis / Cardiac Muscle Fibrosis
IS135-264	Multiplex Assay Kit for Rat IL1b, IL2, IL6, TNFa, 4-Plex	LMA563Ra, LMA073Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease
IS135-265	Multiplex Assay Kit for Rat IL1b, IL6, TNFa, 3-Plex	LMA563Ra, LMA079Ra, LMA133Ra	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Sepsis / Type 2 Diabetes / Alzheimer's Disease / Multiple Sclerosis / Chronic Obstructive Pulmonary Disease / Inflammatory Bowel Disease / Periodontitis

Bone Diseases

Bone diseases are a general term referring to disorders that affect bone tissue, joints, cartilage, and surrounding connective tissues. They primarily include osteoporosis, osteoarthritis, rheumatoid arthritis, traumatic fractures, bone tumors, and metabolic bone diseases. The common symptoms of these diseases are often manifesting as bone pain, joint deformities, mobility limitations. In severe cases, they can lead to fractures, disability, or life-threatening conditions. Pathogenetically, they can be classified into metabolic bone diseases, degenerative joint diseases, autoimmune inflammatory bone diseases and traumatic diseases.

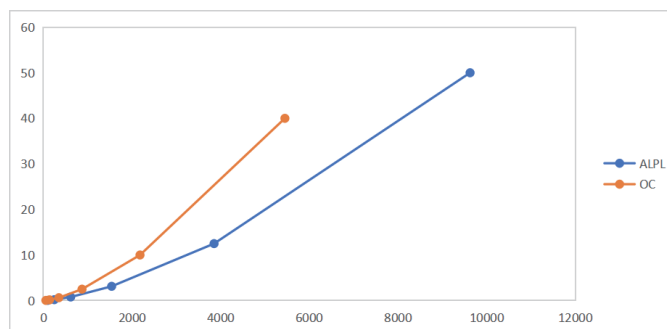
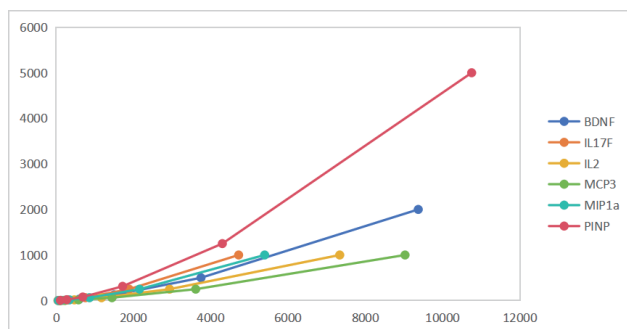
In clinical practice, bone diseases are typically diagnosed through bone mineral density (BMD) testing (e.g., dual-energy X-ray absorptiometry, DXA), imaging examinations (CT, MRI), serum inflammatory markers (ESR, CRP), and conventional bone metabolism markers (ALP). However, these methods have limitations: DXA cannot detect early bone microstructure damage, X-ray exhibits low sensitivity to early cartilage degeneration, ESR and CRP lack disease specificity, ALP is susceptible to interference from liver function and pregnancy, making it difficult to accurately assess osteoblastic activity.

With the development of molecular biology, relevant biomarkers for bone diseases are gradually facilitating diagnosis and treatment. The core mechanisms of bone diseases include bone metabolism imbalance, cartilage degradation, chronic inflammation, etc. Their key indicators are categorized as follows: bone formation-related indicators (ALPL, Osteocalcin, PINP, BMP2, RUNX2), bone resorption and inflammation regulation indicators (OPG, MIP1 α , IL17F, IL2, MCP3), metabolic regulation and special function indicators (Klotho, SOSTd, BDNF). These molecules can be used to identify early bone turnover abnormalities in osteoporosis, assess cartilage degradation in osteoarthritis, determine inflammatory activity in rheumatoid arthritis, and provide therapeutic effect monitoring for targeted therapy, effectively facilitating disease intervention and prognosis improvement.

Cloud-Clone Multiplex Assay Kit Detection Cases for Bone Diseases

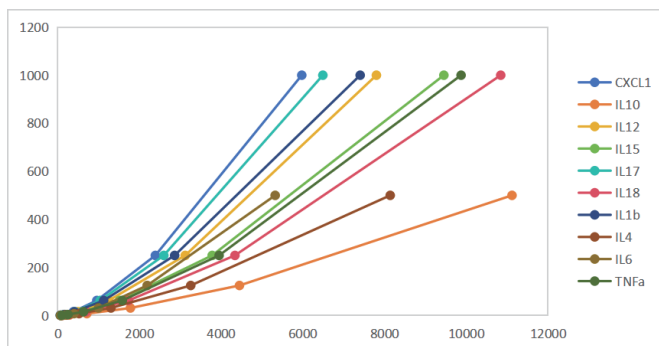
IS135-36

Multiplex Assay Kit for Human ALPL, BDNF, IL17F, IL2, MCP3, MIP1a, Osteocalcin, PINP, 8-Plex

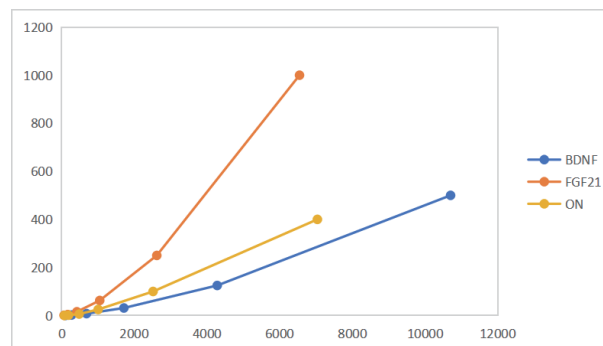


IS135-177

Multiplex Assay Kit for Mouse CXCL1, IL10, IL12, IL15, IL17, IL18, IL1b, IL4, IL6, TNFa, 10-Plex


IS135-253

Multiplex Assay Kit for Rat BDNF, FGF21, ON, 3-Plex



Cloud-Clone Multiplex Assay Kit Plex for Bone Diseases

Product	Product Name	Contents	Research Field
IS135-6	Multiplex Assay Kit for Human MIP1b, IFNg, 2-Plex	LMA093Hu, LMA049Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Multiple Sclerosis / Autism Spectrum Disorder / Chronic Bronchitis / Multiple Myeloma
IS135-8	Multiplex Assay Kit for Mouse IL1b, IL6, IL10, TNFa, 4-Plex	LMA563Mu, LMA079Mu, LMA056Mu, LMA133Mu	Alzheimer's Disease / Osteoarthritis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Prostate Cancer / Sarcopenia
IS135-9	Multiplex Assay Kit for Mouse IL1b, IL4, IL6, IL12, IL13, IL15, TNFa, 7-Plex	LMA563Mu, LMA077Mu, LMA079Mu, LMA111Mu, LMA060Mu, LMA061Mu, LMA133Mu	Rheumatoid Arthritis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Cytokine Storm Syndrome / Atherosclerosis / Periodontitis / Alzheimer's Disease / Primary Myelofibrosis
IS135-13	Multiplex Assay Kit for Rat Calbindin, KIM-1, OPN, TFF3, VEGF-A, 5-Plex	LMG438Ra, LMA785Ra, LMA899Ra, LMB656Ra, LMA143Ra	Kidney Injury / Chronic Kidney Disease / Renal Transplant Rejection / Renal Toxicity / Diabetic Nephropathy / Osteoporosis / Osteoarthritis
IS135-16	Multiplex Assay Kit for Mouse IFN alpha, IFN beta, 2-Plex	LMA033Mu, LMA222Mu	Chronic Hepatitis B / Chronic Hepatitis C / Systemic Lupus Erythematosus / Multiple Sclerosis / Rheumatoid Arthritis / Renal Cell Carcinoma / Melanoma / Multiple Myeloma / Lung Cancer / Hepatocellular Carcinoma
IS135-31	Multiplex Assay Kit for Human ACVA, FGF23, KL, PTH, 4-Plex	LMA001Hu, LMA746Hu, LMH757Hu, LMA866Hu	Chronic Kidney Disease - Mineral and Bone Disorder (CKD-MBD)
IS135-34	Multiplex Assay Kit for Human Alkaline Phosphatase, COL1a1, Osteocalcin, Osteopontin, RANKL, RUNX2, 6-Plex	LMB472Hu, LMA350Hu, LMA471Hu, LMA899Hu, LMA855Hu, LMB011Hu	Osteoporosis / Osteogenesis Imperfecta / Osteosarcoma
IS135-36	Multiplex Assay Kit for Human ALPL, BDNF, IL17F, IL2, MCP3, MIP1a, Osteocalcin, PINP, 8-Plex	LMB091Hu, LMA011Hu, LMB955Hu, LMA073Hu, LMA089Hu, LMA092Hu, LMA471Hu, LMA957Hu	Osteoarthritis / Osteoporosis
IS135-43	Multiplex Assay Kit for Human ATG12, ATG5, BAD, Bax, Bcl2, BECN1, CASP9, GSDMD, HRAS, MCL1, 10-Plex	LML224Hu, LML221Hu, LMC337Hu, LMB343Hu, LMA778Hu, LMJ557Hu, LMA627Hu, LME529Hu, LMB294Hu, LMC615Hu	Multiple Myeloma / Gastric Cancer / Colorectal Cancer

IS135-53	Multiplex Assay Kit for Human BMP2, Klotho, OPG, Osteocalcin, RUNX2, SOST, 6-Plex	LMA013Hu, LMH757Hu, LMA108Hu, LMA471Hu, LMB011Hu, LMC864Hu	Osteoporosis / Chronic Kidney Disease Bone Disorder / Cardiovascular Calcification / Multiple Myeloma
IS135-67	Multiplex Assay Kit for Human COL10, COL8a1, COL8a2, FBLN7, MGP, PODN, 6-Plex	LMC156Hu, LMC146Hu, LMD124Hu, LMF420Hu, LMB477Hu, LMG186Hu	Bone and Joint Diseases / Colorectal Cancer / Osteosarcoma
IS135-68	Multiplex Assay Kit for Human COMP, IL1b, IL1RA, IL6, TIMP2, 5-Plex	LMB197Hu, LMA563Hu, LMA223Hu, LMA079Hu, LMA128Hu	Osteoarthritis / Systemic Lupus Erythematosus / Lung Cancer / Gastric Cancer / Bladder Cancer
IS135-70	Multiplex Assay Kit for Human CRBN, GPLD1, NFkB, 3-Plex	LMG676Hu, LMH975Hu, LMB824Hu	Diabetes / Insulin Resistance / Diabetic Osteoporosis
IS135-98	Multiplex Assay Kit for Human HTRA1, PRG4, 2-Plex	LML604Hu, LMG246Hu	Osteoarthritis / Dry Eye Syndrome / Intervertebral Disc Degeneration
IS135-170	Multiplex Assay Kit for Mouse CH, CTN, CTXI, PINP, 4-Plex	LMB701Ge, LMV806Ge, LMA665Mu, LMA957Mu	Cardiovascular, Renal Function and Bone Metabolism
IS135-174	Multiplex Assay Kit for Mouse CTXI, LH, FSH, E2, 4-Plex	LMA665Mu, LMA441Mu, LMA830Mu, LMA461Ge	Postmenopausal Osteoporosis
IS135-177	Multiplex Assay Kit for Mouse CXCL1, IL10, IL12, IL15, IL17, IL18, IL1b, IL4, IL6, TNFa, 10-Plex	LMA041Mu, LMA056Mu, LMA111Mu, LMA061Mu, LMA063Mu, LMA064Mu, LMA563Mu, LMA077Mu, LMA079Mu, LMA133Mu	Inflammatory Arthritis
IS135-187	Multiplex Assay Kit for Mouse FE, IL18, IL1b, Mlg, S100A8, S100A9, 6-Plex	LMA518Mu, LMA064Mu, LMA563Mu, LMB928Mu, LMB792Mu, LMB793Mu	Arthritis
IS135-207	Multiplex Assay Kit for Mouse IFNg, IL2, IL6, LPS, TNFa, VEGFA, 6-Plex	LMA049Mu, LMA073Mu, LMA079Mu, LMB526Ge, LMA133Mu, LMA143Mu	Diabetes / Infectious Diseases / Osteoarthritis
IS135-208	Multiplex Assay Kit for Mouse IGF1, OC, PINP, 3-Plex	LMA050Mu, LMA471Mu, LMA957Mu	Osteoporosis / Other Bone Metabolism-related Diseases
IS135-209	Multiplex Assay Kit for Mouse IGF1, RANTES, SDF1, 3-Plex	LMA050Mu, LMA116Mu, LMA122Mu	Diabetes / Atherosclerosis / Multiple Myeloma / Prostate Cancer
IS135-250	Multiplex Assay Kit for Rat ALPL, ALT, AST, IL6, LEP, OPG, PINP, RANKL, TNFa, 9-Plex	LMB091Ra, LMA207Ra, LMB214Ra, LMA079Ra, LMA084Ra, LMA108Ra, LMA957Ra, LMA855Ra, LMA133Ra	Osteoporosis / Cirrhosis
IS135-252	Multiplex Assay Kit for Rat bCTx, CH, CTN, DHVD3, HVD3, INS, PTH, TG, UA, 9-Plex	LMA892Ra, LMB701Ge, LMV806Ge, LMA467Ge, LMA915Ge, LMA448Ra, LMA866Ra, LMA355Ra, LMS529Ge	Hyperparathyroidism / Osteoporosis / Chronic Kidney Disease
IS135-253	Multiplex Assay Kit for Rat BDNF, FGF21, ON, 3-Plex	LMA011Ra, LMC918Ra, LMA791Ra	Osteoporosis / Diabetes
IS135-254	Multiplex Assay Kit for Rat CAT, RANKL, S100B, SEMA3A, SFRP4, UMOD, 7-Plex	LMC418Ra, LMA855Ra, LMA567Ra, LML917Ra, LMF878Ra, LMG918Ra	Osteoarthritis / Alzheimer's Disease / Chronic Kidney Disease
IS135-260	Multiplex Assay Kit for Rat DKK1, IL1b, IL4, OC, SOST, 5-Plex	LMA741Ra, LMA563Ra, LMA077Ra, LMA471Ra, LMC864Ra	Multiple Myeloma / Osteoporosis / Ankylosing Spondylitis

Malignant Tumors

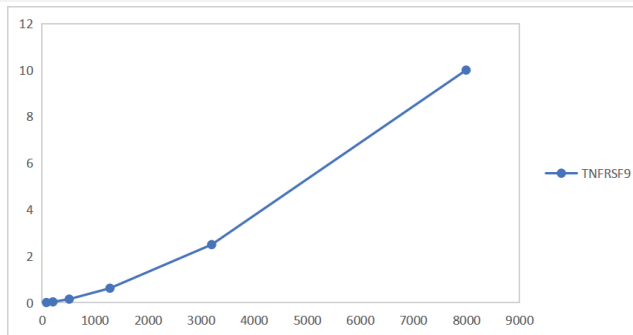
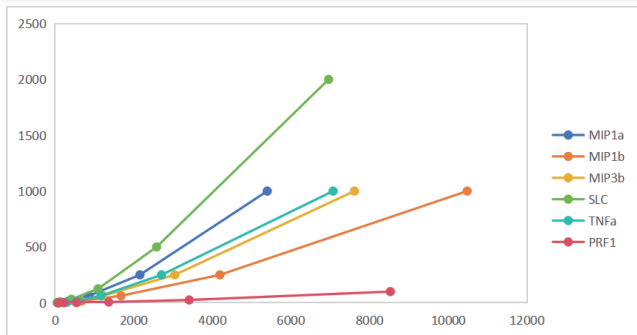
Malignant tumors are a general term for malignant diseases that seriously threaten human life and health, mainly including various types such as carcinomas, sarcomas, lymphomas, and leukemias. Classified by their growth rate and invasive properties, they can be divided into two categories: slow-growing type and highly invasive type. Malignant tumors are characterized by high incidence, strong concealment, easy metastasis, and treatment resistance. If not detected and intervened at an early stage, they are prone to local invasion and distant spread, eventually leading to multiple organ failure. Long-term prognostic studies have shown that the progression of malignant tumors is closely related to the type of primary tumor, clinical stage, molecular characteristics, and the overall physical status of the organism. Therefore, early diagnosis and precise intervention are of great significance for improving patients' quality of life and long-term survival rate.

Traditional tumor diagnosis relies on imaging examinations and tissue biopsies. However, the former has low sensitivity to early tiny lesions, while the latter is an invasive procedure and difficult for real-time dynamic monitoring. These methods have limitations in terms of sensitivity, specificity, and early indication, and thus cannot fully meet the needs of precision medicine. In recent years, with the in-depth development of genomics, proteomics, and tumor immune microenvironment research, a variety of biomarkers closely associated with tumor occurrence and progression have been identified. These biomarkers play a key role in aiding diagnosis, evaluating treatment efficacy, and predicting prognosis, such as tumor-associated antigens (e.g., CEA, CA125, AFP), inflammation-regulating targets (e.g., IL10, IL18, IL1 α , IL1 β , IL21, IL6, TNF α), angiogenesis-related targets (e.g., ANGPT1, ANGPT2, VEGFA, VEGFB), and hypoxic microenvironment-related targets (e.g., HIF-1 α , HIF-2 α). Tumorigenesis involves the synergistic effects of multiple factors, including chronic inflammation, gene mutations, immune escape, and abnormal angiogenesis. During tumor progression, tumor cells interact with stromal cells and immune cells in tumor microenvironment, and abnormally secrete a variety of cytokines and growth factors. These targets are involved in regulating tumor proliferation, invasion, metastasis, and response to treatment. They not only provide a basis for disease assessment but also offer new directions for development of targeted drugs. The dynamic monitoring of these targets is of great significance for reflecting tumor burden and treatment response.

Cloud-Clone Multiplex Assay Kit Detection Cases for Malignant Tumors

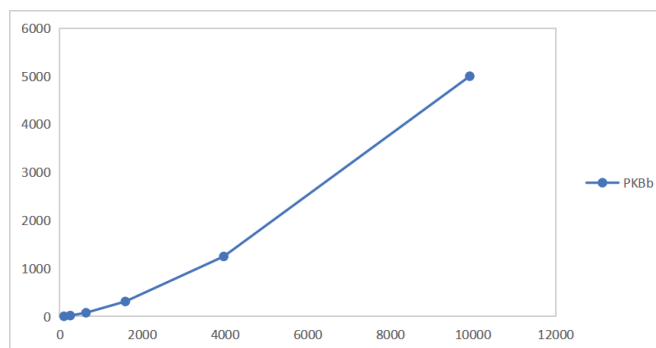
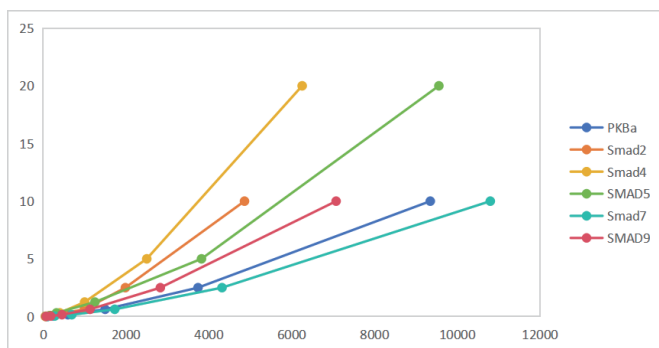
IS135-130

Multiplex Assay Kit for Human MIP1a, MIP1b, MIP3b, PRF1, SLC, TNFa, TNFRSF9, 7-Plex



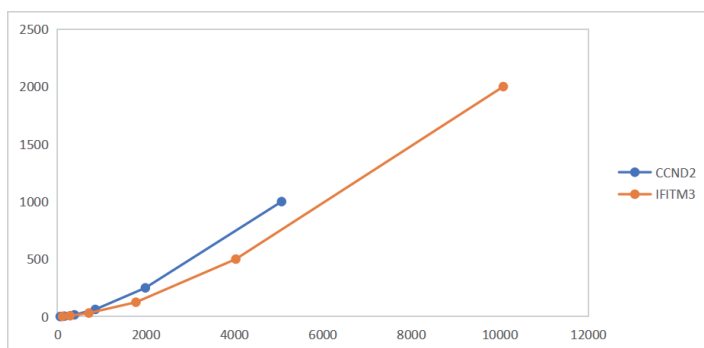
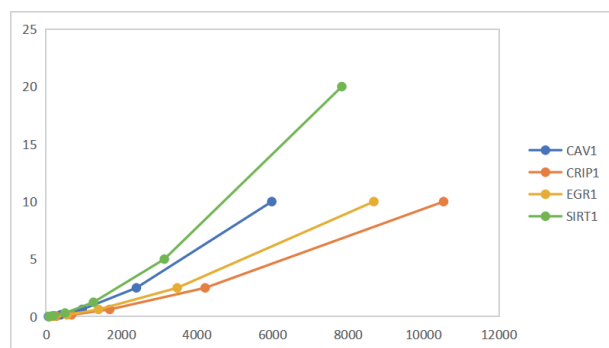
IS135-136

Multiplex Assay Kit for Human PKBa, PKBb, Smad2, Smad4, Smad5, Smad7, Smad9, 7-Plex



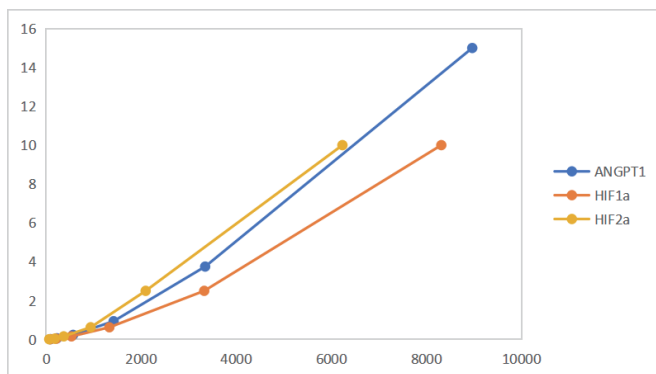
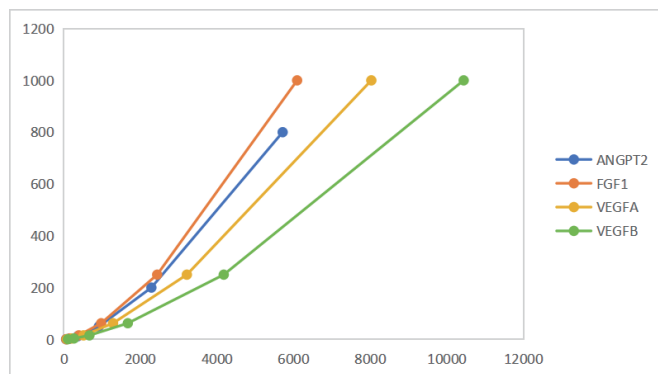
IS135-166

Multiplex Assay Kit for Mouse CAV1, CCND2, CRIP1, EGR1, IFITM3, SIRT1, 6-Plex



IS135-39

Multiplex Assay Kit for Human ANGPT1, ANGPT2, FGF1, HIF1a, HIF2a, VEGFA, VEGFB, 7-Plex



Cloud-Clone Multiplex Assay Kit Plex for Malignant Tumors

Product	Product Name	Contents	Research Field
IS135-5	Multiplex Assay Kit for Human IFNg, IL6, 2-Plex	LMA049Hu, LMA079Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Colorectal Cancer / Endometriosis / Type 2 Diabetes / Chronic Kidney Disease / Alzheimer's Disease / Polycystic Ovarian Syndrome / Sleep Apnea Syndrome (SAS)
IS135-8	Multiplex Assay Kit for Mouse IL1b, IL6, IL10, TNFa, 4-Plex	LMA563Mu, LMA079Mu, LMA056Mu, LMA133Mu	Alzheimer's Disease / Osteoarthritis / Rheumatoid Arthritis / Inflammatory Bowel Disease / Prostate Cancer / Sarcopenia
IS135-10	Multiplex Assay Kit for Mouse CCL5, IL1a, TNFa, CXCL10, CXCL11, IFNb, 6-Plex	LMA116Mu, LMA071Mu, LMA133Mu, LMA371Mu, LMC071Mu, LMA222Mu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Multiple Sclerosis / Type 1 Diabetes / Melanoma / Breast Cancer
IS135-15	Multiplex Assay Kit for Human GMCSF, IFNg, IL2, IL4, IL6, IL8, IL10, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA073Hu, LMA077Hu, LMA079Hu, LMA080Hu, LMA056Hu, LMA133Hu	Chronic Hepatitis / Rheumatoid Arthritis / Autoimmune Hepatitis / Inflammatory Bowel Disease / Systemic Lupus Erythematosus / Multiple Sclerosis / Alzheimer's Disease / Schizophrenia / Periodontitis / Gastric Cancer / Hepatocellular Carcinoma
IS135-16	Multiplex Assay Kit for Mouse IFNa, IFNb, 2-Plex	LMA033Mu, LMA222Mu	Chronic Hepatitis B / Chronic Hepatitis C / Systemic Lupus Erythematosus / Multiple Sclerosis / Rheumatoid Arthritis / Renal Cell Carcinoma / Melanoma / Multiple Myeloma / Lung Cancer / Hepatocellular Carcinoma
IS135-17	Multiplex Assay Kit for Human MMP-1, MMP-2, MMP-7, MMP-9, MMP-10, 5-Plex	LMA097Hu, LMA100Hu, LMA102Hu, LMA553Hu, LMA098Hu	Pulmonary Fibrosis / Pulmonary Emphysema / Atherosclerosis / Myocardial Infarction / Osteoarthritis / Rheumatoid Arthritis / Multiple Sclerosis / Parkinson's Disease / Alzheimer's Disease / Inflammatory Bowel Disease / Liver Cancer / Periodontal Disease
IS135-18	Multiplex Assay Kit for Human MMP-2, MMP-3, MMP-9, 3-Plex	LMA100Hu, LMA101Hu, LMA553Hu	Colorectal Cancer / Breast Cancer / Laryngeal Cancer / Bladder Cancer / Cervical Cancer / Thyroid Cancer / Lung Cancer / Mesothelioma / Atherosclerosis / Coronary Artery Aneurysm / Hypertension / Alzheimer's Disease / Multiple Sclerosis / Parkinson's Disease / Rheumatoid Arthritis / Periodontitis / Chronic Liver Disease / Inflammatory Bowel Disease / Meningitis
IS135-19	Multiplex Assay Kit for Gallus IFNa, IFNg, IL15, IL17, IL18, MIP1b, TNFa, 7-Plex	LMA033Ga, LMA049Ga, LMA061Ga, LMA063Ga, LMA064Ga, LMA093Ga, LMA133Ga	Systemic Lupus Erythematosus / Psoriasis / Rheumatoid Arthritis / Hepatitis / Breast Cancer
IS135-25	Multiplex Assay Kit for Guinea pig IFNa, IFNg, IL10, IL6, IL8, MCP1, RANTES, 7-Plex	LMA033Gu, LMA049Gu, LMA056Gu, LMA079Gu, LMA080Gu, LMA087Gu, LMA116Gu	Hepatitis B / HIV Infection / Chronic Obstructive Pulmonary Disease / Bladder Cancer
IS135-39	Multiplex Assay Kit for Human ANGPT1, ANGPT2, FGF1, HIF1a, HIF2a, VEGFA, VEGFB, 7-Plex	LMA008Hu, LMA009Hu, LMA032Hu, LMA798Hu, LMD466Hu, LMA143Hu, LMA144Hu	Acute Myeloid Leukemia / Renal Cell Carcinoma / Cardiovascular Diseases
IS135-43	Multiplex Assay Kit for Human ATG12, ATG5, BAD, Bax, Bcl2, BECN1, CASP9, GSDMD, HRAS, MCL1, 10-Plex	LML224Hu, LML221Hu, LMC337Hu, LMB343Hu, LMA778Hu, LMJ557Hu, LMA627Hu, LME529Hu, LMB294Hu, LMC615Hu	Multiple Myeloma / Gastric Cancer / Colorectal Cancer
IS135-49	Multiplex Assay Kit for Human BGN, CC16, MMP2, MMP3, MMP8, MMP9, RNASE3, TIMP1, 8-Plex	LMJ226Hu, LMA857Hu, LMA100Hu, LMA101Hu, LMA103Hu, LMA553Hu, LMB758Hu, LMA552Hu	Chronic Obstructive Pulmonary Disease / Head and Neck Cancer / Renal Cell Carcinoma / Nephritis

IS135-52	Multiplex Assay Kit for Human BLC, CXCL14, CXCL16, CXCL17, CXCL2, CXCL7, GCP2, SDF1, 8-Plex	LMB601Hu, LMB607Hu, LMA771Hu, LMC068Hu, LMB603Hu, LMA370Hu, LMB570Hu, LMA122Hu	Gastric Cancer / Lung Cancer / Pancreatic Cancer / Colon Cancer / Ovarian Cancer
IS135-64	Multiplex Assay Kit for Human CDKN1A, CDKN2A, TP53, 3-Plex	LME624Hu, LMA794Hu, LMA928Hu	Li-Fraumeni Syndrome / Pancreatic Cancer / Melanoma / Bladder Cancer / Glioma
IS135-65	Multiplex Assay Kit for Human CK19, GPC3, MK, 3-Plex	LMB239Hu, LMA971Hu, LMA631Hu	Liver Cancer
IS135-66	Multiplex Assay Kit for Human CLDN1, CLDN18, CLDN2, CLDN3, CLDN4, CLDN5, CLDN6, CLDN8, 8-Plex	LMC388Hu, LMB100Hu, LMF292Hu, LMF293Hu, LMF294Hu, LMF295Hu, LMQ257Hu, LMF298Hu	Gastric Cancer / Colorectal Cancer
IS135-67	Multiplex Assay Kit for Human COL10, COL8a1, COL8a2, FBLN7, MGP, PODN, 6-Plex	LMC156Hu, LMC146Hu, LMD124Hu, LMF420Hu, LMB477Hu, LMG186Hu	Bone and Joint Diseases / Colorectal Cancer / Osteosarcoma
IS135-68	Multiplex Assay Kit for Human COMP, IL1b, IL1RA, IL6, TIMP2, 5-Plex	LMB197Hu, LMA563Hu, LMA223Hu, LMA079Hu, LMA128Hu	Osteoarthritis / Systemic Lupus Erythematosus / Lung Cancer / Gastric Cancer / Bladder Cancer
IS135-71	Multiplex Assay Kit for Human CTLA4, GAL9, HAVCR2, IL15, IL2Ra, LAG3, PDCD1, TNFRSF7, 8-Plex	LMB230Hu, LMA309Hu, LMH930Hu, LMA061Hu, LMB837Hu, LMB663Hu, LMA751Hu, LMB043Hu	Liver Cancer / Tuberculosis
IS135-74	Multiplex Assay Kit for Human CTSS, MMP1, PRSS23, ST14, 4-Plex	LMB933Hu, LMA097Hu, LMA421Hu, LMP657Hu	Cardiovascular Diseases / Ovarian Cancer / Breast Cancer / Psoriasis
IS135-76	Multiplex Assay Kit for Human CXCL1, CXCL2, ENA78, GCP2, IL8, MCP1, MIP1a, MMP1, 8-Plex	LMA041Hu, LMB603Hu, LMA860Hu, LMB570Hu, LMA080Hu, LMA087Hu, LMA092Hu, LMA097Hu	Inflammatory Bowel Disease / Ovarian Cancer / Head and Neck Cancer
IS135-77	Multiplex Assay Kit for Human CXCL1, CXCL3, ENA78, IL8, IP10, ITaC, MIg, PF4, 8-Plex	LMA041Hu, LMB603Hu, LMA860Hu, LMA080Hu, LMA371Hu, LMC071Hu, LMB928Hu, LMA172Hu	Gastric Cancer / Colitis / Atherosclerosis
IS135-79	Multiplex Assay Kit for Human EGF, FGF2, HGF, NGF, PDGFAA, PDGFB, VEGF165, VEGFD, 8-Plex	LMA560Hu, LMA551Hu, LMA047Hu, LMA105Hu, LMA523Hu, LMC921Hu, LMB696Hu, LMA146Hu	Colorectal Cancer / Hepatocellular Carcinoma / Ovarian Cancer
IS135-83	Multiplex Assay Kit for Human ERK1, JAK1, MAP1LC3a, NFkB, PIK3Cb, PKBa, STAT5A, STAT1, STAT3, TP53, 10-Plex	LMB357Hu, LMC551Hu, LML701Hu, LMB824Hu, LMJ829Hu, LMC231Hu, LMB738Mi, LMB740Hu, LMB743Hu, LMS556Hu	Neurodegenerative Diseases / Colorectal Cancer / Psoriasis
IS135-91	Multiplex Assay Kit for Human GLUT1, GLUT2, GLUT3, PIK3Ca, PIK3Cd, PKBg, RPS6Kb1, 7-Plex	LMB185Hu, LMC040Hu, LMB635Hu, LMJ830Hu, LMJ832Hu, LMA382Hu, LML979Hu	Diabetes / Breast Cancer / Uveal Melanoma
IS135-92	Multiplex Assay Kit for Human GMCSF, IFNg, IL10, IL19, IL4, IL6, IL8, TNFa, 8-Plex	LMA045Hu, LMA049Hu, LMA056Hu, LMB190Hu, LMA077Hu, LMA079Hu, LMA080Hu, LMA133Hu	Rheumatoid Arthritis / Systemic Lupus Erythematosus / Oral Squamous Cell Carcinoma
IS135-94	Multiplex Assay Kit for Human GPC3, KRT19, MK, 3-Plex	LMA971Hu, LMB239Hu, LMA631Hu	Liver Cancer / Lung Cancer / Breast Cancer
IS135-95	Multiplex Assay Kit for Human GZMA, GZMB, IFNg, IL10, IL13, IL2, IL6, IL7, 8-Plex	LMA599Hu, LMA600Hu, LMA049Hu, LMA056Hu, LMA060Hu, LMA073Hu, LMA079Hu, LMA662Hu	Rheumatoid Arthritis / Airway Inflammation / Fibrosis / Type 2 Diabetes / Sepsis / Systemic Lupus Erythematosus / Vitiligo / Breast Cancer / Acute Necrotizing Encephalopathy / Periodontitis / Hematological Tumor Inflammation

IS135-96	Multiplex Assay Kit for Human HGF, MMP1, MMP12, RAGE, SPD, 5-Plex	LMA047Hu, LMA097Hu, LMA402Hu, LMA645Hu, LMB039Hu	Cardiovascular Diseases / Colorectal Cancer / Rheumatoid Arthritis / Head and Neck Squamous Cell Carcinoma / Oral Cancer / Inflammatory Bowel Disease / Alzheimer's Disease
IS135-101	Multiplex Assay Kit for Human IFNg, IL10, IL12, IL6, TNFa, 5-Plex	LMA049Hu, LMA056Hu, LMA111Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection
IS135-102	Multiplex Assay Kit for Human IFNg, IL10, IL17, IL2, IL6, TNFa, 6-Plex	LMA049Hu, LMA056Hu, LMA063Hu, LMA073Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection of HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis
IS135-103	Multiplex Assay Kit for Human IFNg, IL10, IL18, IL1a, IL1b, IL21, IL6, TNFa, 8-Plex	LMA049Hu, LMA056Hu, LMA064Hu, LMA071Hu, LMA563Hu, LMB688Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / COVID-19 / Rotavirus Infection / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Diabetic Foot Infection / Leukemia / Periodontitis / Depressive Disorder / Autism
IS135-104	Multiplex Assay Kit for Human IFNg, IL10, IL1b, IL2, IL35, IL4, IL6, TNFa, 8-Plex	LMA049Hu, LMA056Hu, LMA563Hu, LMA073Hu, LMC008Hu, LMA077Hu, LMA079Hu, LMA133Hu	Hepatitis B / Gastric Cancer / Co-infection with HIV and HHV-8 / Tuberculosis / Pneumonia / Rheumatoid Arthritis / Systemic Lupus Erythematosus / Leukemia / Depressive Disorder
IS135-105	Multiplex Assay Kit for Human IFNg, IL12, IL17, IL1b, IL4, IL5, TNFa, 7-Plex	LMA049Hu, LMA111Hu, LMA063Hu, LMA563Hu, LMA077Hu, LMA078Hu, LMA133Hu	Hepatitis / Pancreatitis / Gastric Cancer / Rotavirus Infection / Leukemia / HIV and HHV-8 Co-Infection
IS135-106	Multiplex Assay Kit for Human IFNg, IL12, IL2, IL4, IL6, 5-Plex	LMA049Hu, LMA111Hu, LMA073Hu, LMA077Hu, LMA079Hu	Hepatitis / Pancreatitis / Gastric Cancer / Bladder Cancer / Leukemia / Psoriasis / Rotavirus Infection
IS135-130	Multiplex Assay Kit for Human MIP1a, MIP1b, MIP3b, PRF1, SLC, TNFa, TNFRSF9, 7-Plex	LMA092Hu, LMA093Hu, LMA096Hu, LMB317Hu, LMB575Hu, LMA133Hu, LMB527Hu	Metastatic Breast Cancer
IS135-132	Multiplex Assay Kit for Human MUC5AC, MUC5B, sIgA, 3-Plex	LMA756Hu, LMA684Hu, LMA641Hu	Colorectal Cancer / Asthma
IS135-134	Multiplex Assay Kit for Human NT5C2, PES1, TIMP3, TPP1, 4-Plex	LMD941Hu, LMK173Hu, LMA129Hu, LMC828Hu	Hepatocellular Carcinoma
IS135-135	Multiplex Assay Kit for Human PKBa, PKBb, 2-Plex	LMC231Hu, LMB719Hu	Breast Cancer
IS135-136	Multiplex Assay Kit for Human PKBa, PKBb, Smad2, Smad4, Smad5, Smad7, Smad9, 7-Plex	LMC231Hu, LMB719Hu, LMC124Hu, LMB925Hu, LMC122Hu, LMA648Hu, LMC121Hu	Pancreatic Cancer / Colorectal Cancer
IS135-145	Multiplex Assay Kit for Mouse ADAM17, ADAM10, MMP11, MMP1, 4-Plex	LMB555Mu, LMA766Mu, LMA224Mu, LMA097Mu	Gastric Cancer / Colorectal Cancer
IS135-149	Multiplex Assay Kit for Mouse ALP, ALT, AST, ALB, LDH, 5-Plex	LMB472Mu, LMA207Mu, LMB214Mu, LMB028Mu, LMB864Mu	Liver Injury / Hepatocellular Carcinoma / Alcoholic Liver Disease / Hepatitis / Metabolic-related Fatty Liver Disease / Liver Cirrhosis
IS135-156	Multiplex Assay Kit for Mouse AREG, GMCSF, IFNg, IL10, IL12, IL13, IL17, IL1b, IL22, IL5, IL6, TNFa, 12-Plex	LMA006Mu, LMA045Mu, LMA049Mu, LMA056Mu, LMA111Mu, LMA060Mu, LMA063Mu, LMA563Mu, LMC032Mu, LMA078Mu, LMA079Mu, LMA133Mu	Colorectal Cancer / Gastric Cancer / Liver Cancer Inflammatory Microenvironment
IS135-157	Multiplex Assay Kit for Mouse Arg, GBP2, IL1b, IL6, NOS2, TNFa, 6-Plex	LMB120Mu, LME636Mu, LMA563Mu, LMA079Mu, LMA837Mu, LMA133Mu	Hepatocellular Carcinoma
IS135-158	Multiplex Assay Kit for Mouse ARG, IFNg, IL1b, IL6, VEGFA, 5-Plex	LMB120Mu, LMA049Mu, LMA563Mu, LMA079Mu, LMA143Mu	Breast Cancer / Colon Cancer / Lung Cancer Inflammatory Microenvironment

IS135-166	Multiplex Assay Kit for Mouse CAV1, CCND2, CRIP1, EGR1, IFITM3, SIRT1, 6-Plex	LMA214Mu, LMA586Mu, LMC402Mu, LMA416Mu, LMH830Hu, LME912Mu	Breast Cancer / Colon Cancer / Gastric Cancer Microenvironment
IS135-168	Multiplex Assay Kit for Mouse CEA, DAO, IFNg, IL10, IL2, TNFa, 6-Plex	LMA150Mu, LMA656Mu, LMA049Mu, LMA056Mu, LMA073Mu, LMA133Mu	Colorectal Cancer / Gastric Cancer / Melanoma Inflammation
IS135-180	Multiplex Assay Kit for Mouse DKK1, IDO, MBP, PIIINP, RANKL, THBS1, TSPAN30, 7-Plex	LMA741Mu, LMB547Mu, LMA539Mu, LMA573Mu, LMA855Mu, LMA611Mu, LMB345Mu	Breast Cancer / Lung cancer with bone metastasis and nerve damage
IS135-184	Multiplex Assay Kit for Mouse EGF, FGF2, HGF, NGF, PDGFAA, VEGFD, 6-Plex	LMA560Mu, LMA551Mu, LMA047Mu, LMA105Mu, LMA523Mu, LMA146Mu	Liver Cancer / Lung Cancer Angiogenesis
IS135-195	Multiplex Assay Kit for Mouse HIF1a, IFNg, MCP1, 3-Plex	LMA798Mu, LMA049Mu, LMA087Mu	Lung Cancer / Atherosclerosis / Diabetic Nephropathy
IS135-209	Multiplex Assay Kit for Mouse IGF1, RANTES, SDF1, 3-Plex	LMA050Mu, LMA116Mu, LMA122Mu	Diabetes / Atherosclerosis / Multiple Myeloma / Prostate Cancer

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