

Figure . IL6 and IL-1 β levels of pro-inflammatory mediators were measured by qPCR and ELISA. (Yuyu Yang, 2014)
 (Product No.: SEA563Hu Sample type: cell supernatant)

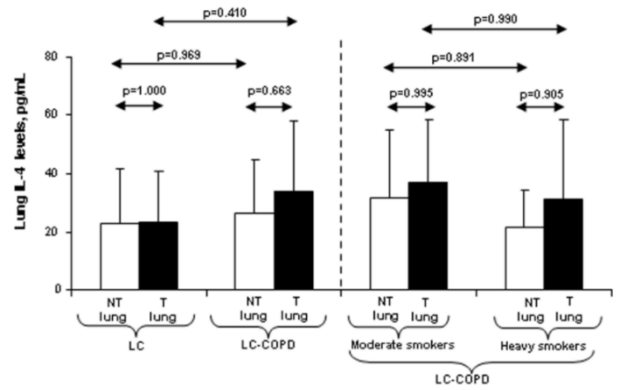


Figure . IL-4 levels detected in 639NT and T lungs are also represented in graphs for all the groups. (Mateu-Jimenez M, 2017)
 (Product No.: SEA077Hu Sample type: tissue homogenate)

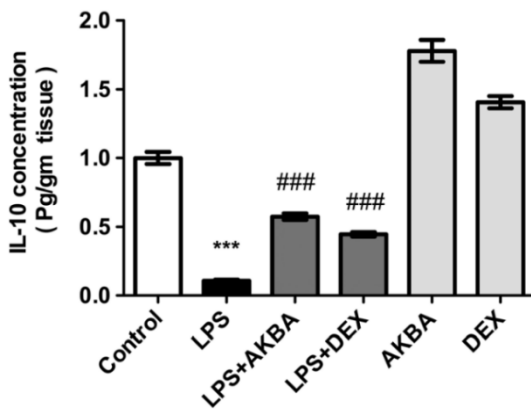


Figure. Evaluation of IL-10 cytokine inflammatory markers by ELISA assay. (Aya Shoukry Sayed, 2017)
 (Product No.: SEA056Mu Sample type: tissue homogenates)

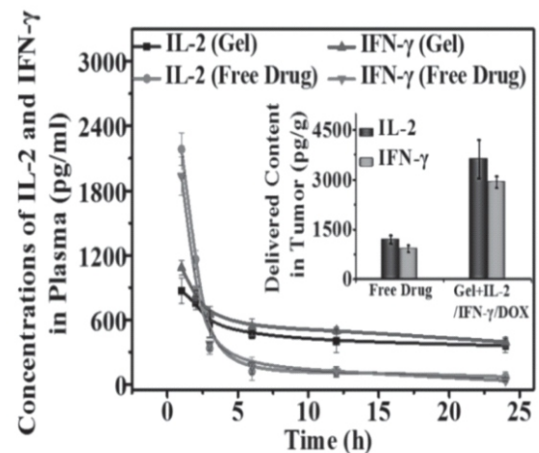


Figure . Pharmacokinetics of IL-2 and IFN- γ in the plasma and delivered drugs in the tumor of mice. (Xilong Wu, 2015)
 (Product No.: SEA049Mu Sample type: plasma)

2. Citation statistics of Interleukin related products (Excerpt)

Interleukin 6 (IL6)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rat, Mouse, Rabbit, Pig, Cattle, Chicken, Goat, House	433

Excerpt:

1. Ji Y X, Huang Z, Yang X, et al. The deubiquitinating enzyme cylindromatosis mitigates nonalcoholic steatohepatitis[J]. Nature medicine, 2018, 24(2): 213. (IF=32.621)
2. Bakzano T, Dadsetan S, Forteza J, et al. Chronic hyperammonemia induces peripheral inflammation that leads to cognitive impairment in rats: reversal by anti-tnfa treatment[J]. Journal of Hepatology, 2019. (IF=15.040)
3. Hu Y W, Guo F X, Xu Y J, et al. Long non-coding RNA mitigates atherosclerosis by regulating the actin-binding protein NEXN[J]. Journal Of Clinical Investigation, 2019, 129(3): 1115-1128. (IF=13.251)

4. Liu Q, Tong D, Liu G, et al. Metformin Inhibits Prostate Cancer Progression by Targeting Tumor-Associated Inflammatory Infiltration[J]. *Clinical Cancer Research*, 2018, 24(22): 5622-5634. (IF=11.613)
5. Yang Y, Cheng X, Tian W, et al. MRTF-A steers an epigenetic complex to activate endothelin-induced pro-inflammatory transcription in vascular smooth muscle cells[J]. *Nucleic acids research*, 2014, 42(16): 10460-10472. (IF=11.561)
6. Huang H, Wang C, Liu F, et al. Reciprocal network between cancer stem-like cells and macrophages facilitates the progression and androgen deprivation therapy resistance of prostate cancer[J]. *Clinical Cancer Research*, 2018: clincanres. 0461.2018. (IF=10.199)
7. Wang C, Peng G, Huang H, et al. Blocking the feedback loop between neuroendocrine differentiation and macrophages improves the therapeutic effects of enzalutamide (MDV3100) on prostate cancer[J]. *Clinical Cancer Research*, 2018, 24(3): 708-723. (IF=10.199)
8. Fan G C, Han L, Zhu H, et al. Ultrasensitive photoelectrochemical immunoassay for matrix metalloproteinase-2 detection based on CdS: Mn/CdTe cosensitized TiO₂ nanotubes and signal amplification of SiO₂@ Ab2 conjugates[J]. *Analytical chemistry*, 2014, 86(24): 12398-12405. (IF=8.173)

Interleukin 1 Beta (IL1b)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rat, Mouse, Rabbit, Pig, Cattle, Chicken, Goat, House	347

Excerpt:

1. Qin W, Qin K, Zhang Y, et al. S-glycosylation-based cysteine profiling reveals regulation of glycolysis by itaconate[J]. *Nature Chemical Biology*, 2019, 15(10): 983-991. (IF=13.843)
2. Gao T, Wang Z, Dong Y, et al. Role of melatonin in sleep deprivation - induced intestinal barrier dysfunction in mice[J]. *Journal of Pineal Research*, 2019, 67(1). (IF=11.613)
3. Yang Y, Cheng X, Tian W, et al. MRTF-A steers an epigenetic complex to activate endothelin-induced pro-inflammatory transcription in vascular smooth muscle cells[J]. *Nucleic acids research*, 2014, 42(16): 10460-10472. (IF=11.561)
4. Zhao Y, Wang C, Hong X, et al. Wnt/ β -catenin signaling mediates both heart and kidney injury in type 2 cardiorenal syndrome[J]. *Kidney International*, 2019, 95(4): 815-829. (IF=8.429)
5. Duris K, Lipkova J, Splichal Z, et al. Early Inflammatory Response in the Brain and Anesthesia Recovery Time Evaluation After Experimental Subarachnoid Hemorrhage[J]. *Translational stroke research*, 2018: 1-11. (IF=8.266)
6. Wang W, Chen J, Li M, et al. Rebuilding post-infarcted cardiac functions by injecting THIA@ PDA NPs-crosslinked ROS sensitive hydrogels[J]. *ACS Applied Materials & Interfaces*, 2019,11(3): 2880-2890. (IF=8.097)
7. Picone P, Sabatino M A, Ditta L A, et al. Nose-to-brain delivery of insulin enhanced by a nanogel carrier[J]. *Journal of Controlled Release*, 2018, 270: 23-36. (IF=7.877)
8. Li L, Wang Y, Guo R, et al. Ginsenoside Rg3-loaded, reactive oxygen species-responsive polymeric nanoparticles for alleviating myocardial ischemia-reperfusion injury[J]. *Journal of Controlled Release*, 2020: 259-272. (IF=7.877)

Interleukin 10 (IL10)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rat, Mouse, Rabbit, Pig, Cattle, Chicken, Goat, House	171

Excerpt:

1. Van Der Vorst E, Theodorou K, Wu Y, et al. High density lipoproteins exert pro-inflammatory effects on macrophages via passive cholesterol depletion and PKC-NF-kB/STAT1-IRF1 signaling[J]. *Atherosclerosis*, 2017, 263: e6. (IF=20.565)
2. Bakzano T, Dadsetan S, Forteza J, et al. Chronic hyperammonemia induces peripheral inflammation that leads to cognitive impairment in rats: reversal by anti-tnfa treatment[J]. *Journal of Hepatology*, 2019. (IF=15.040)
3. Gao T, Wang Z, Dong Y, et al. Role of melatonin in sleep deprivation - induced intestinal barrier dysfunction in mice[J]. *Journal of Pineal Research*, 2019, 67(1). (IF=11.613)
4. Picone P, Sabatino M A, Ditta L A, et al. Nose-to-brain delivery of insulin enhanced by a nanogel carrier[J]. *Journal of Controlled Release*, 2018, 270: 23-36. (IF=7.877)
5. Sayed A S, Gomaa I E O, Bader M, et al. Role of 3-acetyl-11-keto-beta-boswellic acid in counteracting LPS-induced neuroinflammation via modulation of miRNA-155[J]. *Molecular neurobiology*, 2018, 55(7): 5798-5808. (IF=6.190)
6. Elboshy M, Basalamah M A, Ahmad J, et al. Vitamin D protects against oxidative stress, inflammation and hepatorenal damage induced by acute paracetamol toxicity in rat.[J]. *Free Radical Biology and Medicine*, 2019: 310-321. (IF=6.020)
7. Mudo G, Frinchi M, Nuzzo D, et al. Anti-inflammatory and cognitive effects of interferon β -1a (IFN β 1a) in a rat model of Alzheimer's disease.[J]. *Journal of Neuroinflammation*, 2019, 16(1): 44-59. (IF=5.193)

Interleukin 4 (IL4)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rat, Mouse, Rabbit, Pig, Cattle, Chicken, Goat, House	100

Excerpt:

1. Norian R, Azadmehr A. Evaluation of cell-mediated immune response in PBMCs of calves vaccinated by Capri Pox vaccines using ELISA and Real-time RT-PCR[J]. *Research in Molecular Medicine*, 2017, 5(2): 3-8. (IF=11.021)
2. Mateu-Jimenez M, Curull V, Pijuan L, et al. Systemic and tumor Th1 and Th2 inflammatory profile and macrophages in lung cancer: influence of underlying chronic respiratory disease[J]. *Journal of Thoracic Oncology*, 2017, 12(2): 235-248. (IF=10.34)
3. Huang C, Wang J, Zheng X, et al. Commensal bacteria aggravate allergic asthma via NLRP3/IL-1 β signaling in post-weaning mice[J]. *Journal of autoimmunity*, 2018, 93: 104-113. (IF=7.607)
4. Wu P, Lu J, Zhang X, et al. single Dose of consensus hemagglutinin-Based Virus-like particles vaccine protects chickens against divergent h5 subtype influenza viruses[J]. *Frontiers in immunology*, 2017, 8: 1649. (IF=5.511)
5. Wu H, Zhao C, Xie Q, et al. TLR2-Melatonin feedback loop regulates the activation of NLRP3 inflammasome in murine allergic airway Inflammation[J]. *Frontiers in Immunology*, 2020, 11:172. (IF=4.716)

Interleukin 17 (IL17)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rat, Mouse, Rabbit, Pig, Cattle, Chicken, Goat, House	100

Excerpt:

1. Baker T A, Romero J, Bach IV H H, et al. Systemic release of cytokines and heat shock proteins in porcine models of polytrauma and hemorrhage[J]. *Critical care medicine*, 2012, 40(3): 876. (IF=7.422)

2. Elboshy M, Basalamah M A, Ahmad J, et al. Vitamin D protects against oxidative stress, inflammation and hepatorenal damage induced by acute paracetamol toxicity in rat.[J]. Free Radical Biology and Medicine, 2019: 310-321. (IF=6.020)
3. Wang A, Wang F, Yin Y, et al. Dexamethasone reduces serum level of IL-17 in Bleomycin-A5-induced rats model of pulmonary fibrosis[J]. Artificial cells, nanomedicine, and biotechnology, 2018, 46(4): 783-787. (IF=5.605)
4. Chen K, Sun Y J, Dong W, et al. Activated A 7nachr improves postoperative cognitive dysfunction and intestinal injury induced by cardiopulmonary bypass in rats: inhibition of the proinflammatory response through the Th17 immune response[J]. Cellular Physiology and Biochemistry, 2018, 46(3): 1175-1188. (IF=5.500)
5. Chang S L, Hsiao Y W, Tsai Y N, et al. Interleukin-17 enhances cardiac ventricular remodeling via activating MAPK pathway in ischemic heart failure[J]. Journal of molecular and cellular cardiology, 2018, 122: 69-79. (IF=5.296)

Interleukin 2 (IL2)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rat, Mouse, Rabbit, Pig, Cattle, Chicken, Goat, House	67

Excerpt:

1. Quan M, Song X, Liu H, et al. Amlexanox attenuates experimental autoimmune encephalomyelitis by inhibiting dendritic cell maturation and reprogramming effector and regulatory T cell responses[J]. Journal of Neuroinflammation, 2019, 16(1). (IF=5.193)
2. Gomes-da-Silva L C, Fernández Y, Abasolo I, et al. Efficient intracellular delivery of siRNA with a safe multitargeted lipid-based nanoplatform[J]. Nanomedicine, 2013, 8(9): 1397-1413. (IF=5.005)
3. Li H, Huang T, Wang Y, Pan B, et al. Toxicity of alumina nanoparticles to immune system in mice[J].Nanomedicine,2020, 15(9): 927-946. (IF=4.717)
4. Zhang Q, Bao C, Cai X, et al. Sonodynamic therapy - assisted immunotherapy: A novel modality for cancer treatment[J]. Cancer science, 2018, 109(5): 1330. (IF=4.372)
5. Zhang Y, Wu C, Luo T, et al. Synthesis and inflammatory response of a novel silk fibroin scaffold containing BMP7 adenovirus for bone regeneration[J]. Bone, 2012, 51(4): 704-713. (IF=3.736)

Interleukin 8 (IL8)

Product	Species	Citation
Protein/Antibody/ELISA kit	Human, Rabbit, Pig, Cattle, Chicken, Goat, House	64

Excerpt:

1. Raimondo S, Saieva L, Vicario E, et al. Multiple myeloma-derived exosomes are enriched of amphiregulin (AREG) and activate the epidermal growth factor pathway in the bone microenvironment leading to osteoclastogenesis[J]. Journal of Hematology & Oncology, 2019, 12(1): 1-15. (IF=7.333)
2. Zheng K, Xu M, Xiao Y, et al. Immunogenicity and protective efficacy against Treponema pallidum in New Zealand rabbits immunized with plasmid DNA encoding flagellin[J]. Emerging microbes & infections, 2018, 7(1): 1-10. (IF=6.032)
3. Luo J Y, Li X M, Zhou Y, et al. Mutant DD genotype of NFKB1 gene is associated with the susceptibility and severity of coronary artery disease[J]. Journal of molecular and cellular cardiology, 2017, 103: 56-64. (IF=5.680)
4. Wang A, Wang F, Yin Y, et al. Dexamethasone reduces serum level of IL-17 in Bleomycin-A5-induced rats model of pulmonary fibrosis[J]. Artificial cells, nanomedicine, and biotechnology, 2018, 46(4): 783-787. (IF=5.605)

3. Cloud-Clone Interleukin related targets

Target	Core No.	Product	Target	Core No.	Product
IL6	A079	Protein/Antibody/ELISA kit	IL4I1	H816	Protein/Antibody/ELISA kit
IL1b	A563	Protein/Antibody/ELISA kit	IL1RAPL2	H817	Protein/Antibody/ELISA kit
IL10	A056	Protein/Antibody/ELISA kit	IL22	C032	Protein/Antibody/ELISA kit
IL4	A077	Protein/Antibody/ELISA kit	IL24	C064	Protein/Antibody/ELISA kit
IL17	A063	Protein/Antibody/ELISA kit	IL1z	E842	Protein/Antibody/ELISA kit
IL2	A073	Protein/Antibody/ELISA kit	IL27	A385	Protein/Antibody/ELISA kit
IL8	A080	Protein/Antibody/ELISA kit	IL21	B688	Protein/Antibody/ELISA kit
IL18	A064	Protein/Antibody/ELISA kit	IL3	A076	Protein/Antibody/ELISA kit
IL35	C008	Protein/Antibody/ELISA kit	IL19	B190	Protein/Antibody/ELISA kit
IL13	A060	Protein/Antibody/ELISA kit	IL28A	B689	Protein/Antibody/ELISA kit
IL1a	A071	Protein/Antibody/ELISA kit	IL1RAP	H819	Protein/Antibody/ELISA kit
IL5	A078	Protein/Antibody/ELISA kit	IL7	A662	Protein/Antibody/ELISA kit
IL33	B980	Protein/Antibody/ELISA kit	IL17F	B955	Protein/Antibody/ELISA kit
IL1RA	A223	Protein/Antibody/ELISA kit	IL20	C058	Protein/Antibody/ELISA kit
IL31	B179	Protein/Antibody/ELISA kit	IL11	A057	Protein/Antibody/ELISA kit
IL25	B694	Protein/Antibody/ELISA kit	IL17C	D347	Protein/Antibody/ELISA kit
IL15	A061	Protein/Antibody/ELISA kit	IL9	A081	Protein/Antibody/ELISA kit
IL28B	C028	Protein/Antibody/ELISA kit	FIL1d	A566	Protein/Antibody/ELISA kit
IL23	A384	Protein/Antibody/ELISA kit	IL16	A062	Protein/Antibody/ELISA kit
IL12B	A058	Protein/Antibody/ELISA kit	IL17B	B700	Protein/Antibody/ELISA kit
IL12A	A059	Protein/Antibody/ELISA kit	IL29	C029	Protein/Antibody/ELISA kit
IL18BP	H821	Protein/Antibody/ELISA kit	IL17D	D346	Protein/Antibody/ELISA kit
IL34	C007	Protein/Antibody/ELISA kit	IL1e	E843	Protein/Antibody/ELISA kit
IL1F9	L621	Protein/Antibody/ELISA kit			

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