




Rabbit Anti-IL-10 antibody

SL0698R

Product Name:	IL-10
Chinese Name:	白细胞介素10抗体
Alias:	Interleukin-10 precursor; Cytokine synthesis inhibitory factor; CSIF; Cytokine Synthesis Inhibitory Factor; IL 10; IL10A; Interleukin 10; Interleukin10; MGC126450; MGC126451; TGIF; IL10_HUMAN.
文献引用 	<p>Specific References(7) SL0698R has been referenced in 7 publications.</p> <p>[IF=1.96]Kou, Wei, et al. "Transforming growth factor-β1 promotes Treg commitment in nasal polyposis after intranasal steroid treatment." Inflammation Research (2013): 1-7.ELISA;Human. PubMed:23178794</p> <p>[IF=2.88]Luo, Kai, et al. "Association between Postmenopausal Osteoporosis and Experimental Periodontitis." BioMed Research International 2014 (2014).IHC-P;Rat. PubMed:n/a</p> <p>[IF=3.30]Castoldi, Giovanna, et al. "PREVENTION OF DIABETIC NEPHROPATHY BY COMPOUND 21, SELECTIVE AGONIST OF THE ANGIOTENSIN TYPE 2 RECEPTORS, IN ZUCKER DIABETIC FATTY RATS." American Journal of Physiology Renal Physiology (2014): ajprenal-00247.IHC-P;Rat. PubMed:25186297</p> <p>[IF=0.34]Rohmah, Rista Nikmatu, Edi Widjajanto, and Fatchiyah Fatchiyah. "Protective effect of CSN1S2 protein of goat milk on ileum microstructure and inflammation in rat-CFA-induced rheumatoid arthritis." Asian Pacific Journal of Tropical Disease 5.7 (2015): 564-568.WB;Rat.</p>

	<p style="text-align: center;">PubMed:not posted yet</p> <p>[IF=1.67] Arendt, Maria K., et al. "Interleukin-10 neutralizing antibody for detection of intestinal luminal levels and as a dietary additive in Eimeria challenged broiler chicks." Poultry Science (2016): pev365. ELISA;Chicken.</p> <p style="text-align: center;">PubMed:26839414</p> <p>[IF=19.45] Pylayeva-Gupta, Yuliya, et al. "IL-35 producing B cells promote the development of pancreatic neoplasia." Cancer discovery (2015): CD-15. IF(IHC-P);Mouse.</p> <p style="text-align: center;">PubMed:26715643</p> <p>[IF=5.19] Han, Sheng, et al. "LPS alters the immuno-phenotype of glioma and glioma stem-like cells and induces in vivo antitumor immunity via TLR4." Journal of Experimental & Clinical Cancer Research 36.1 (2017): 83. WB;Human.</p> <p style="text-align: center;">PubMed:28641579</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Chicken, Pig, Rabbit, Sheep, Guinea Pig,
Applications:	WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IL-10:101-178/178
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	IL-10 protein is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal

tract.

Function:

Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.

Subunit:

Homodimer.

Subcellular Location:

Secreted.

Tissue Specificity:

Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.

Similarity:

Belongs to the IL-10 family.

SWISS:

P18893

Gene ID:

3586

Database links:

[Entrez Gene: 3586](#)Human

[Entrez Gene: 16153](#)Mouse

[Entrez Gene: 25325](#)Rat

[Omin: 124092](#)Human

[SwissProt: P22301](#)Human

[SwissProt: P18893](#)Mouse

[SwissProt: P29456](#)Rat

[Unigene: 193717](#)Human

[Unigene: 874](#)Mouse

[Unigene: 9868](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

白细胞介素-10(IL-10)是主要由Th2细胞所产生的一种cell factor, 活化的B细胞、单核巨噬细胞和枯否氏细胞(Kupffer's cell)等也可产生IL-10。它是以抑制Th细胞克隆cell factor合成为特点的多效免疫调节因子。

白介素-10是维护cell

factor网络平衡的重要负调节因子。其作用机制可能是降低抗原递呈细胞MHC II类抗原表达, 或诱导抗原递呈细胞产生另一种cell

factor, 改变细胞内信号传递途径, 从而选择性抑制某些cell

factormRNA转录, 并与Th2细胞产生的IL-4、IL-5有协同作用。



Picture:

Sample:

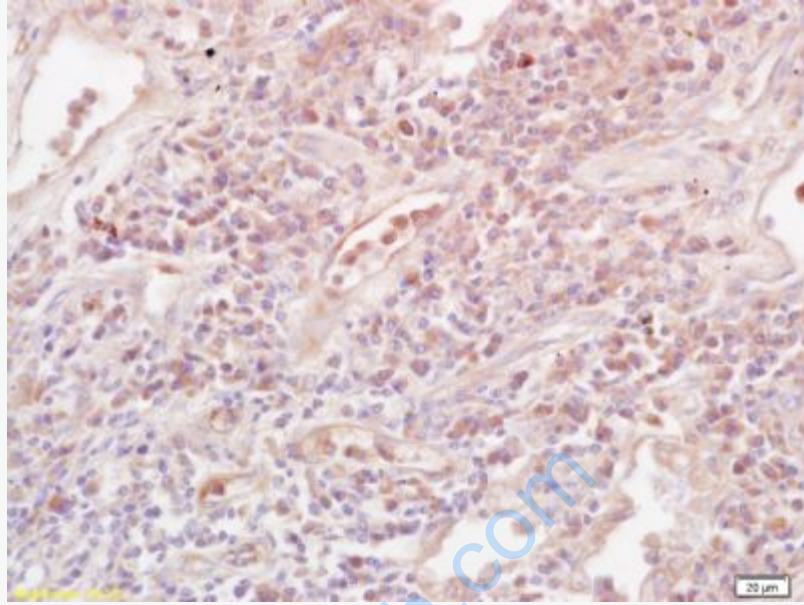
Spleen (Mouse) Lysate at 40 ug

Primary: Anti-IL-10 (SL0698R) at 1/1000 dilution

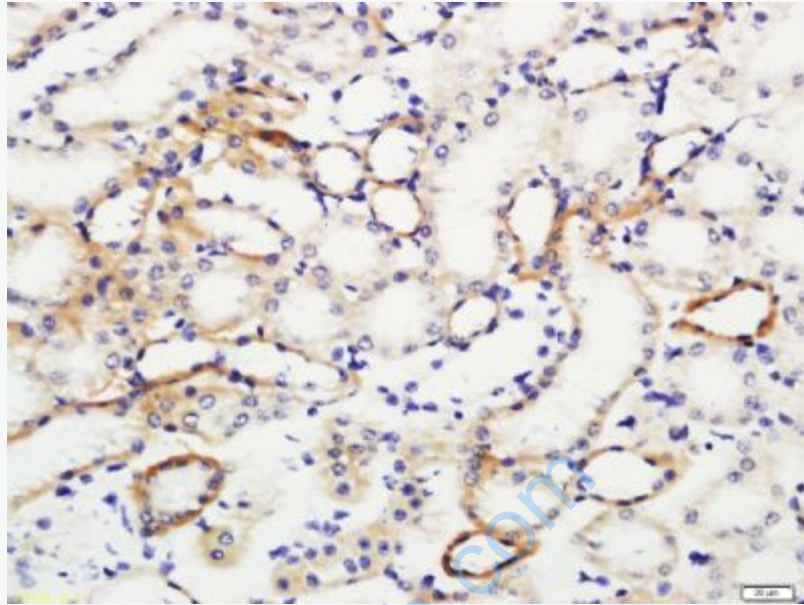
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 18 kD

Observed band size: 18 kD



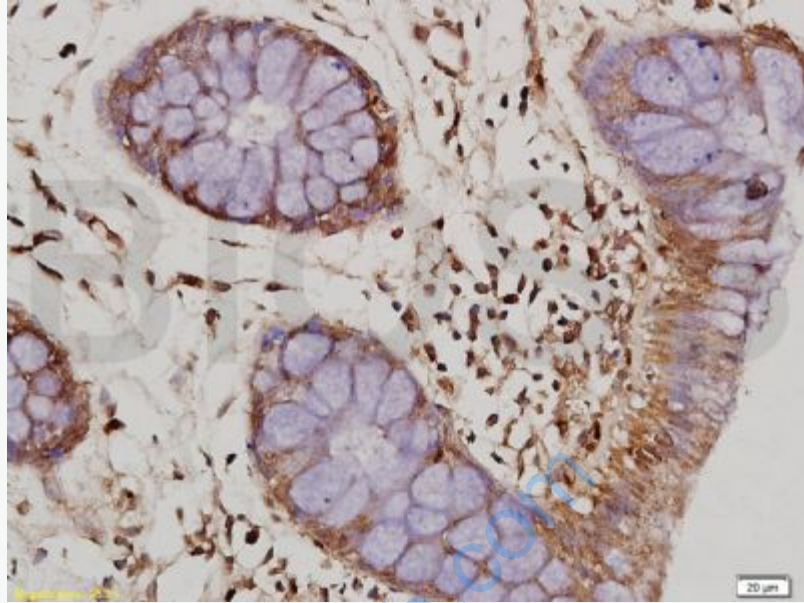
Paraformaldehyde-fixed, paraffin embedded (Human lung cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-10) Polyclonal Antibody, Unconjugated (SL0698R) at 1:200 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining



Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IL-10 Polyclonal Antibody, Unconjugated(SL0698R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IL-10 Polyclonal Antibody, Unconjugated(SL0698R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining