

Rabbit Anti-IL-10 antibody

SL0698R

Product Name	IL-10
Chinese Name	白细胞介素 10 抗体
Alias	CSIF; GVHDS; IL-10; IL10A; TGIF; If2a; IL10X; IL10_HUMAN; IL10; Cytokine synthesis inhibitory factor (CSIF); IL10_MOUSE; IL10_RAT; interleukin 10; cytokine synthesis inhibitory factor; T-cell growth inhibitory factor
Research Area	Cancer > Tumor immunology > Cytokines > Interleukins Immunology > Adaptive Immunity > Regulatory T Cells Immunology > Innate Immunity > Cytokines > Interleukins
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Chicken, GuineaPig) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Predicted MW.	18kDa
Observed MW.	21 kDa
Form	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
Buffer Solution	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

The protein encoded by this gene 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. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis. [provided by RefSeq, May 2020]

Function:

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.

**Product
Detail**

Protein Name:
Interleukin-10

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:
P22301

Gene ID:
3586

Database links:

[Entrez Gene: 3586](#) Human

[Entrez Gene: 16153](#) Mouse

[Entrez Gene: 25325](#) Rat

[Omim: 124092](#) Human

[SwissProt: P22301](#) Human

[SwissProt: P18893](#) Mouse

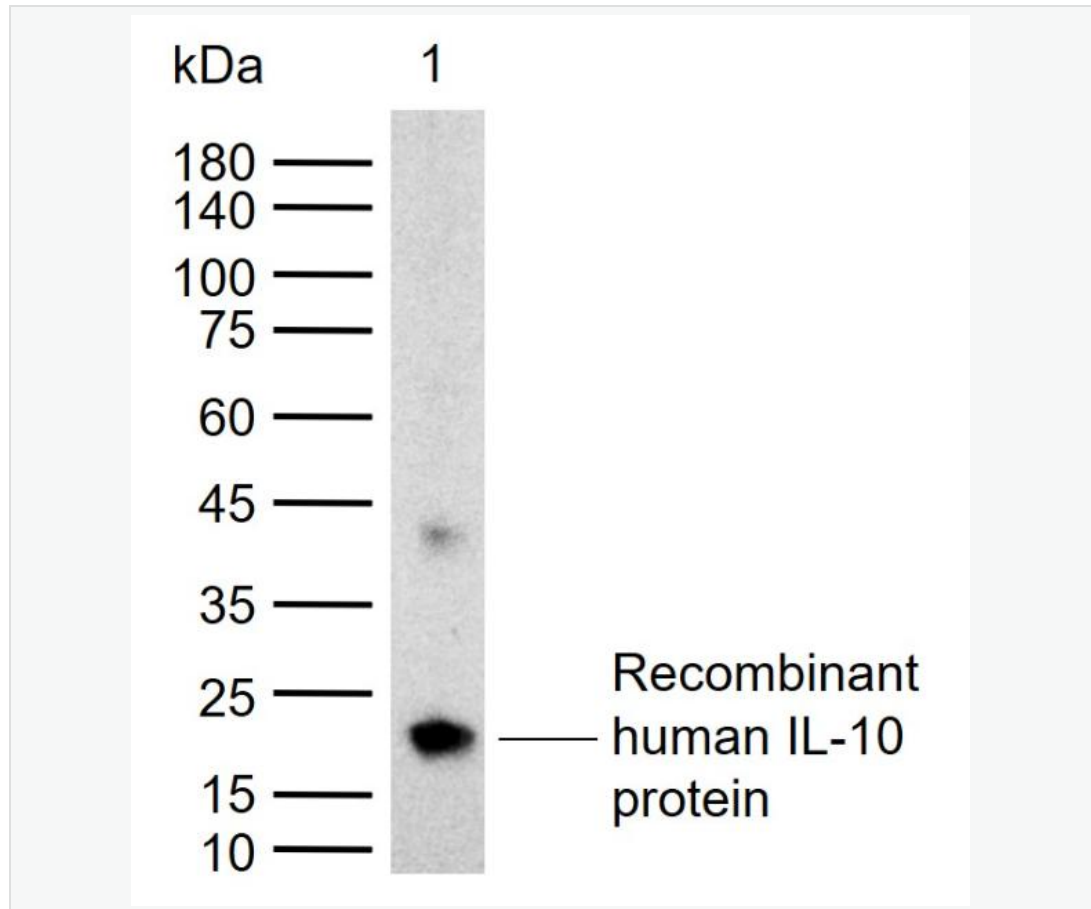
[SwissProt: P29456](#) Rat

[Unigene: 193717](#) Human

[Unigene: 874](#) Mouse

[Unigene: 9868](#) Rat

**Product
Picture**



Sample:

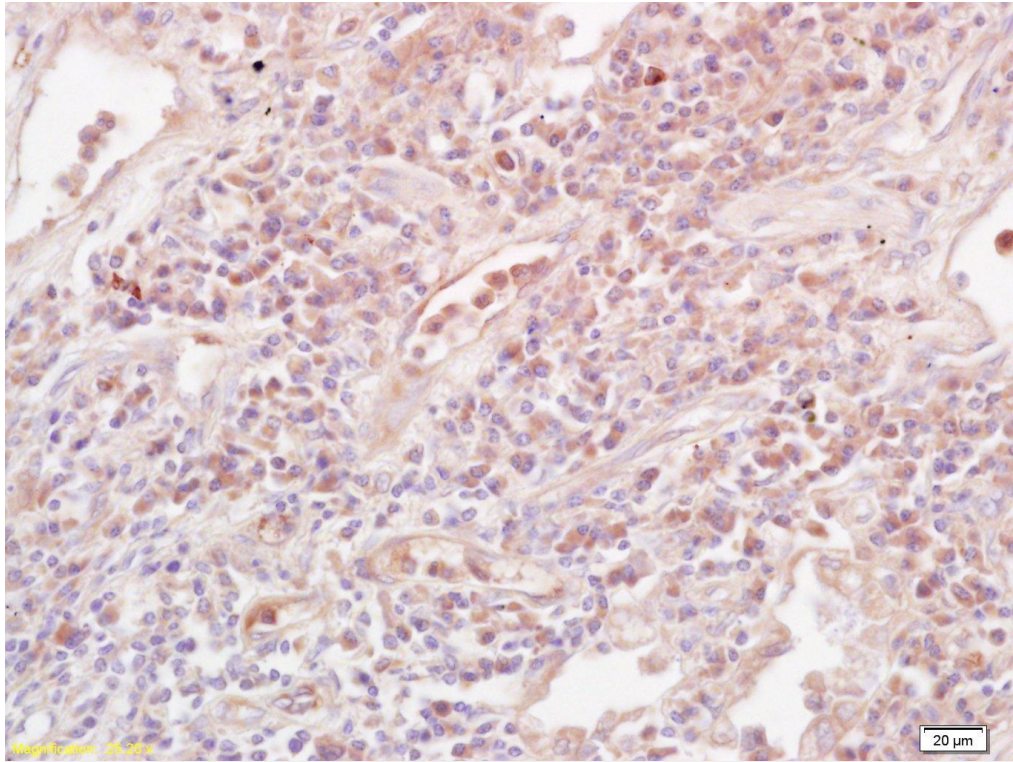
Lane 1: Recombinant human IL-10 protein, His (HEK293)(SL43053P)

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

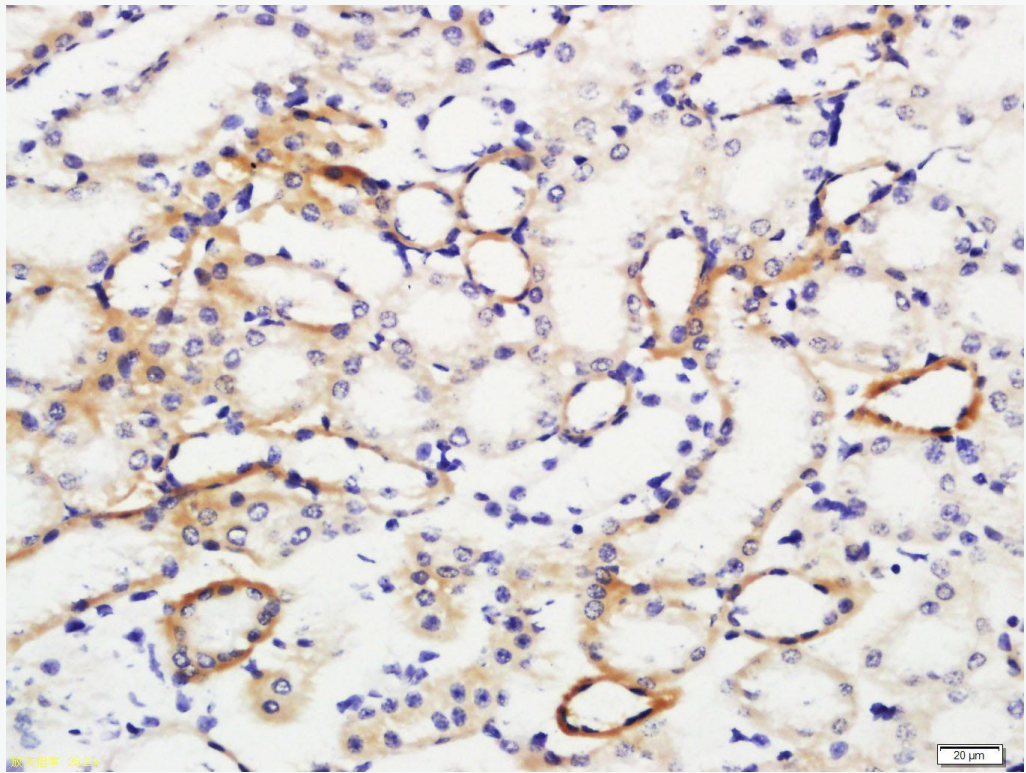
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 18 kDa

Observed band size: 21 kDa



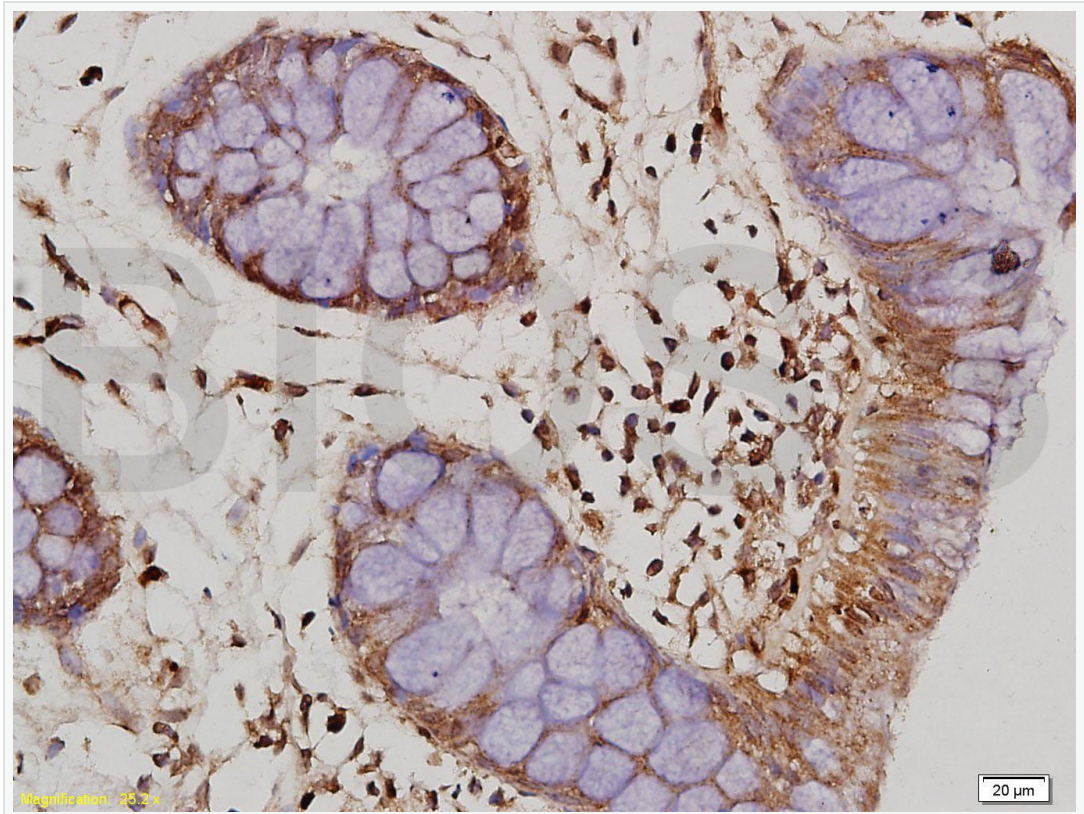
Paraformaldehyde-fixed, paraffin embedded (Human lung cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-10) Polyclonal 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 (1M, 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 (1M, 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