

IL-10 (aa25-39) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3863a**Specification**

IL-10 (aa25-39) Antibody (internal region) - Product Information

Application	E
Primary Accession	P22301
Other Accession	NP_000563.1 , 3586
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	20517

IL-10 (aa25-39) Antibody (internal region) - Additional Information**Gene ID** 3586**Other Names**

Interleukin-10, IL-10, Cytokine synthesis inhibitory factor, CSIF, IL10

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IL-10 (aa25-39) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

IL-10 (aa25-39) Antibody (internal region) - Protein Information**Name** IL10**Function**

Major immune regulatory cytokine that acts on many cells of the immune system where it has profound anti-inflammatory functions, limiting excessive tissue disruption caused by inflammation. Mechanistically, IL10 binds to its heterotetrameric receptor comprising IL10RA and IL10RB leading to JAK1 and STAT2-mediated phosphorylation of STAT3 (PubMed:16982608). In turn,

STAT3 translocates to the nucleus where it drives expression of anti-inflammatory mediators (PubMed: [18025162](http://www.uniprot.org/citations/18025162)). Targets antigen-presenting cells (APCs) such as macrophages and monocytes and inhibits their release of pro-inflammatory cytokines including granulocyte-macrophage colony-stimulating factor /GM-CSF, granulocyte colony-stimulating factor/G-CSF, IL-1 alpha, IL-1 beta, IL-6, IL-8 and TNF-alpha (PubMed: [11564774](http://www.uniprot.org/citations/11564774), PubMed: [1940799](http://www.uniprot.org/citations/1940799), PubMed: [7512027](http://www.uniprot.org/citations/7512027)). Also interferes with antigen presentation by reducing the expression of MHC-class II and co-stimulatory molecules, thereby inhibiting their ability to induce T cell activation (PubMed: [8144879](http://www.uniprot.org/citations/8144879)). In addition, controls the inflammatory response of macrophages by reprogramming essential metabolic pathways including mTOR signaling (By similarity).

Cellular Location

Secreted.

Tissue Location

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

IL-10 (aa25-39) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-10 (aa25-39) Antibody (internal region) - Images**IL-10 (aa25-39) Antibody (internal region) - References**

B7-H1 up-regulated expression in human hepatocellular carcinoma tissue: correlation with tumor interleukin-10 levels. Geng L, Deng J, Jiang G, Song P, Wang Z, Jiang Z, Zhang M, Zheng S. Hepatogastroenterology. 2011 May-Jun;58(107-108):960-4. PMID: 21830424