

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

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

Application	E
Primary Accession	<a href="#">P22301</a>
Other Accession	<a href="#">NP_000563.1</a> , <a href="#">3586</a>
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

**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:<a href="http://www.uniprot.org/citations/16982608" target="\_blank">16982608</a>). In turn, STAT3 translocates to the nucleus where it drives expression of anti-inflammatory mediators (PubMed:<a href="http://www.uniprot.org/citations/18025162" target="\_blank">18025162</a>). 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:<a href="http://www.uniprot.org/citations/1940799" target="\_blank">1940799</a>, PubMed:<a href="http://www.uniprot.org/citations/7512027" target="\_blank">7512027</a>, PubMed:<a href="http://www.uniprot.org/citations/11564774" target="\_blank">11564774</a>). Interferes also 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:<a href="http://www.uniprot.org/citations/8144879" target="\_blank">8144879</a>). 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