

**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/11564774" target="\_blank">11564774</a>, 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>). 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