

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

Primary Accession P22301

Other Accession <u>NP_000563.1</u>, <u>3586</u>

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

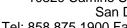
IL-10 (aa25-39) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

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:16982608). In turn, STAT3 translocates to the nucleus where it drives expression of anti-inflammatory mediators (PubMed: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-8, and TNF-alpha (PubMed: 1940799, PubMed:7512027, PubMed:11564774). 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: 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
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- 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 I. liang G. Song P. Wang Z. liang Z. Zhang M. Zheng S. Hepatogastroenterology. 2011 May-Jun;58(107-108):960-4. PMID: 21830424