

IL10 antibody

Catalog No: #38392

Package Size: #38392-1 50ul #38392-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

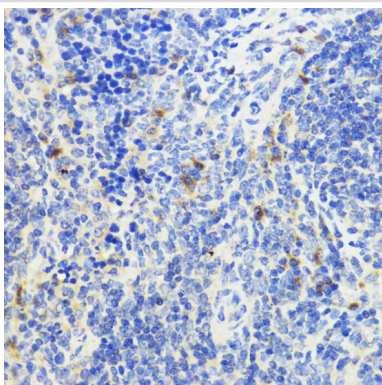
Description

Product Name	IL10 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total IL10 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human IL10.
Target Name	IL10
Other Names	IL10; CSIF; GVHDS; IL-10; IL10A; TGIF; Interleukin-10; Cytokine synthesis inhibitory factor;
Accession No.	Swiss-Prot#: P22301NCBI Gene ID: 3586
Uniprot	P22301
GeneID	3586;
SDS-PAGE MW	19kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

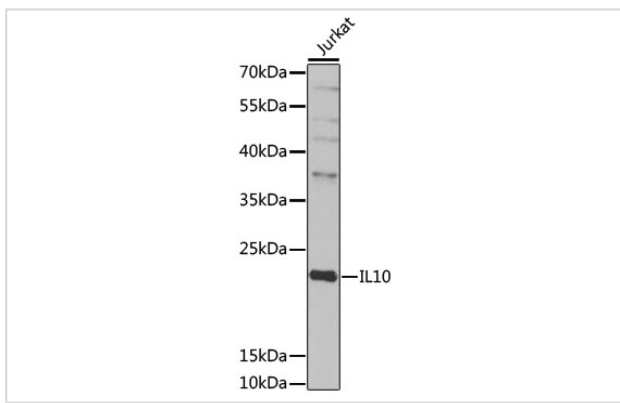
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100

Images



Immunohistochemistry of paraffin-embedded mouse spleen using IL10 at dilution of 1:200 (40x lens).



Western blot analysis of extracts of Jurkat cells, using IL10 at 1:1000 dilution.

Background

IL-10 is an anti-inflammatory cytokine that is produced by T cells, NK cells and macrophages (1,2). IL-10 initiates signal transduction by binding to a cell surface receptor complex consisting of IL-10 RI and IL-10 RII (1). Binding of IL-10 leads to the activation of Jak1 and Tyk2, which phosphorylates Stat-3 (1,3). The anti-inflammatory activity of IL-10 is due to its ability to block signaling through other cytokine receptors, notably IFN γ receptor, by upregulating expression of SOCS-1 (1,3). In addition, IL-10 promotes T cell tolerance by inhibiting tyrosine phosphorylation of CD28 (4,5). IL-10 is an important negative regulator of the immune response, which allows for maintenance of pregnancy (1). In contrast, increased IL-10 levels contribute to persistent *Leishmania major* infections (6).

Note: This product is for in vitro research use only