

For Research Use Only

IL-10 Polyclonal antibody

Catalog Number: 20850-1-AP **66 Publications**



Basic Information

Catalog Number: 20850-1-AP	GenBank Accession Number: BC104252	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3586	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: interleukin 10	
Isotype: IgG	Calculated MW: 21 kDa	
Immunogen Catalog Number: AG14644		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Recombinant protein, ag14644
Cited Applications: ELISA, IF, IHC, WB	
Species Specificity: human	
Cited Species: human, monkey, mouse, pig, rat	

Background Information

The human IL10 gene is 4.7 kb in size and is located on the long arm of chromosome 1. It contains five exons. Biologically functional IL-10 exists in the form of a 36 kDa homodimer composed of two non-covalently bonded mono-mers each with 160 amino acids length. IL-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Notable Publications

Author	Pubmed ID	Journal	Application
Chengmei Huang	34583750	J Exp Clin Cancer Res	WB
Zhihong Min	30546456	Oncol Lett	
Wen-Lin Cheng	34603600	Oxid Med Cell Longev	WB

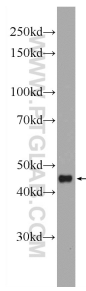
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 20850-1-AP (IL-10 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.