

For Research Use Only

IL-10 Polyclonal antibody

Catalog Number: 20850-1-AP

108 Publications



Basic Information

Catalog Number:

20850-1-AP

Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14644

GenBank Accession Number:

BC104252

GeneID (NCBI):

3586

UNIPROT ID:

P22301

Full Name:

interleukin 10

Calculated MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, IHC, ELISA

Species Specificity:

human

Cited Species:

human, rat, mouse, monkey, pig, bovine

Positive Controls:

WB : Recombinant protein, ag14644

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
Zhaohua Shen	36182776	EBioMedicine	IHC
Chengmei Huang	34583750	J Exp Clin Cancer Res	WB
Zhihong Min	30546456	Oncol Lett	

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

*** 20ul sizes contain 0.1% BSA

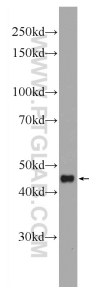
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.