

For Research Use Only

# IL-10 Recombinant antibody

Catalog Number: 82793-16-RR

1 Publications



## Basic Information

Catalog Number:

82793-16-RR

Size:

100ul, Concentration: 300 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_012854

GeneID (NCBI):

25325

UNIPROT ID:

P29456

Full Name:

interleukin 10

Calculated MW:

20kd

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

1A4

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

rat, mouse

Cited Species:

mouse

Positive Controls:

WB : Recombinant protein,

## 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
Yeshen Zhang	39415256	J Nanobiotechnology	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

\*\*\* 20ul sizes contain 0.1% BSA

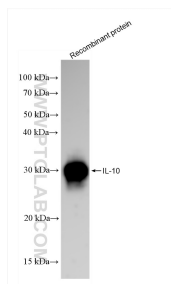
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 82793-16-RR (IL-10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.