

For Research Use Only

IL-10 Recombinant antibody

Catalog Number: 82191-3-RR **2 Publications**



Basic Information

Catalog Number:

82191-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010548

GeneID (NCBI):

16153

UNIPROT ID:

P18893

Full Name:

interleukin 10

Calculated MW:

21 kDa

Observed MW:

20 kDa

Purification Method:

Protein A purification

CloneNo.:

240430G12

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

mouse

Cited Species:

mouse, rat

Positive Controls:

WB : RAW 264.7 cells,

IF/ICC : LPS and Brefeldin A treated RAW 264.7 cells,

Background Information

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- κ B 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
Zhiyu Chen	39355423	Front Microbiol	WB
Kaidi Chen	38720345	J Transl Med	IHC

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:

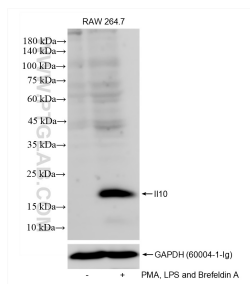
T: 4006900926

E: Proteintech-CN@ptglab.com

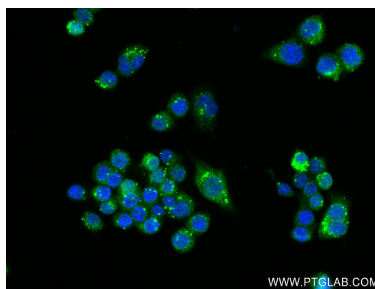
W: ptgcn.com

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Selected Validation Data



Untreated, PMA, LPS and Brefeldin A treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 82191-3-RR (IL10 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed LPS and Brefeldin A treated RAW 264.7 cells using IL10 antibody (82191-3-RR, Clone: 240430G12) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).