

For Research Use Only

IL-10 Recombinant antibody

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



Basic Information

Catalog Number: 82191-3-RR	GenBank Accession Number: NM_010548	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 16153	CloneNo.: 240430G12
Source: Rabbit	UNIPROT ID: P18893	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: interleukin 10	
	Calculated MW: 21 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : RAW 264.7 cells, IF/ICC : LPS and Brefeldin A treated RAW 264.7 cells,
Cited Applications: WB, IHC	
Species Specificity: mouse	
Cited Species: mouse, rat	

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

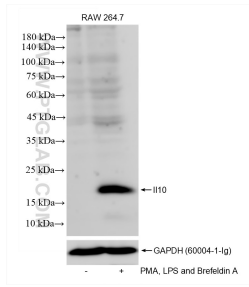
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

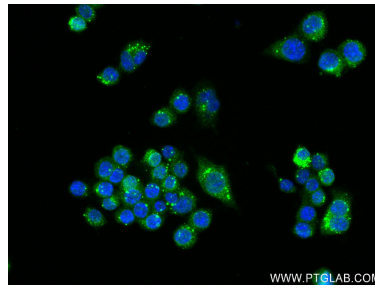
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).