IL-10 Recombinant antibody

Catalog Number:82191-3-RR

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Basic Information

Catalog Number: 82191-3-RR	**GenBank Accession Number:** NM_010548	**Purification Method:** Protein A purification
Size: 1000 μg/ml	**GeneID (NCBI):** 16153	**CloneNo.:** 240430G12
Source: Rabbit	**UNIPROT ID:** P18893	**Recommended Dilutions:** WB 1:1000-1:4000 IF 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

Species Specificity:
Mouse

Positive Controls:

WB : RAW 264.7 cells,

IF : 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-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.

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
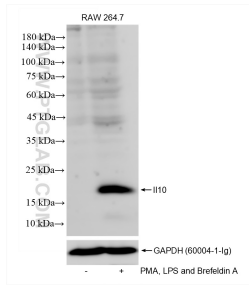
Untreated, PMA, LPS and Brefeldin A treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 82191-3-RR (Il10 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.
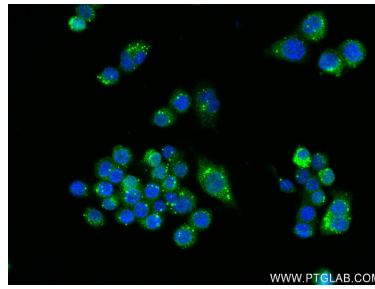
Immunofluorescent analysis of (4% PFA) fixed LPS and Brefeldin A treated RAW 264.7 cells using Il10 antibody (82191-3-RR, Clone: 240430G12) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).