

For Research Use Only

CoraLite® Plus 488-conjugated IL-10 Recombinant antibody

Catalog Number:CL488-82191-3



Basic Information

Catalog Number: CL488-82191-3	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: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: interleukin 10	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 21 kDa	
	Observed MW: 20 kDa	

Applications

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

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.

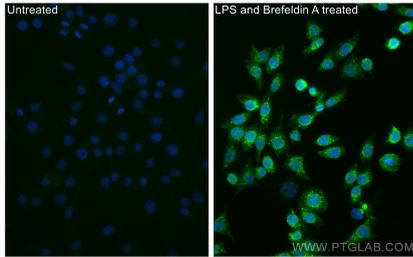
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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



Immunofluorescent analysis of (4% PFA) fixed LPS and Brefeldin A treated RAW 264.7 cells using CoraLite® Plus 488 IL-10 antibody (CL488-82191-3, Clone: 240430G12) at dilution of 1:200.