

For Research Use Only

# Anti-Human IL-10 (7B8G3)

Catalog Number: 65286-1-Ig



## Basic Information

Catalog Number:	65286-1-Ig	GenBank Accession Number:	BC104252	Purification Method:	Affinity purification
Concentration:	100ug, 1000 µg/ml	GeneID (NCBI):	3586	CloneNo.:	7B8G3
Source:	Mouse	Full Name:	interleukin 10		
Isotype:	IgG2b	Calculated MW:	21 kDa		
Immunogen Catalog Number:	HZ-1145				

## Applications

Tested Applications:  
FC

Species Specificity:  
human

## Background Information

Interleukin (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- $\kappa$ 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.

## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:  
PBS with 0.09% sodium azide

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

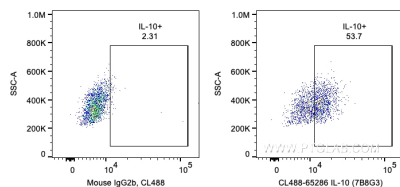
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

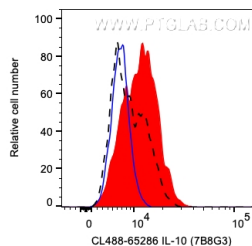
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human IL-10 (CL488-65286, Clone:7B8G3) or Mouse IgG2b Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated. This data was developed using the CoraLite® Plus 488 conjugated antibody of 65286-1-Ig.



1X10<sup>6</sup> LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human IL-10 (CL488-65286, Clone:7B8G3) (red) or Mouse IgG2b Isotype Control (blue), or unactivated and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human IL-10 (CL488-65286, Clone:7B8G3) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

