

For Research Use Only

# IL-10 Monoclonal antibody

Catalog Number: 60269-1-Ig

Featured Product

113 Publications



## Basic Information

<b>Catalog Number:</b> 60269-1-Ig	<b>GenBank Accession Number:</b> BC104252	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 ug/ml by Nanodrop and 567 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3586	<b>CloneNo.:</b> 8E4B6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P22301	<b>Recommended Dilutions:</b> WB 1:2000-1:8000 IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> interleukin 10	
<b>Immunogen Catalog Number:</b> AG14870	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : ag14870, IHC : human pancreas cancer tissue, IF/ICC : MOLT-4 cells,
<b>Cited Applications:</b> WB, IHC, IF, ELISA, Cell treatment	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, rat, rabbit, zebrafish	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xinmei Huang	34478541	J Clin Endocrinol Metab	IHC
Yan Yang	34582523	Biomater Sci	IHC
Teresa W-M Fan	36150727	J Immunol	

## Storage

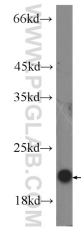
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

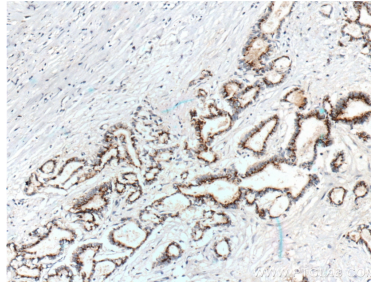
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

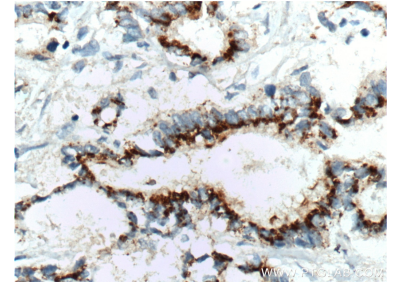
## Selected Validation Data



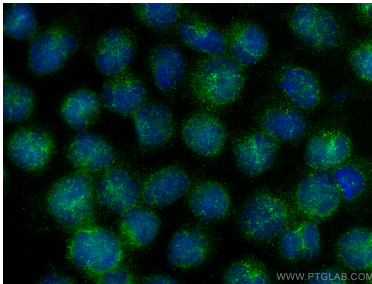
Recombinant protein were subjected to SDS PAGE followed by western blot with 60269-1-Ig (IL-10 antibody at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 60269-1-Ig (IL-10 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 60269-1-Ig (IL-10 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MOLT-4 cells using IL-10 antibody (60269-1-Ig, Clone: 8E4B6 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).