

For Research Use Only

IL-10 Monoclonal antibody, PBS Only



Catalog Number: 60269-1-PBS

Featured Product

Basic Information

Catalog Number: 60269-1-PBS	GenBank Accession Number: BC104252	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3586	CloneNo.: 8E4B6
Source: Mouse	UNIPROT ID: P22301	
Isotype: IgG2b	Full Name: interleukin 10	
Immunogen Catalog Number: AG14870	Calculated MW: 21 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

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- 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.

Storage

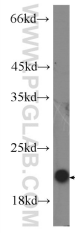
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

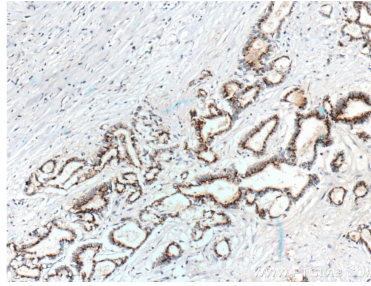
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

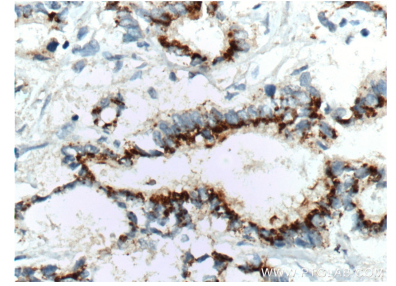
Selected Validation Data



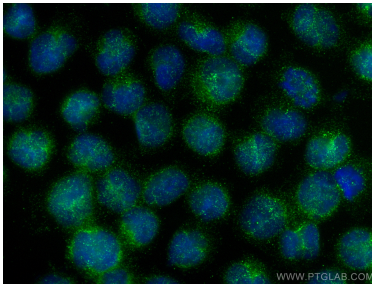
Recombinant protein were subjected to SDS PAGE followed by western blot with 60269-1-Ig (IL-10 antibody at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60269-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60269-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60269-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60269-1-PBS in a different storage buffer formulation.