

For Research Use Only

IL-10 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86547-4-PBS



Basic Information

Catalog Number: 86547-4-PBS	GenBank Accession Number: NM_000572.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3586	CloneNo.: 250059B8
Source: Rabbit	UNIPROT ID: P22301	
Isotype: IgG	Full Name: interleukin 10	
Immunogen Catalog Number: EG3296	Calculated MW: 21 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, 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

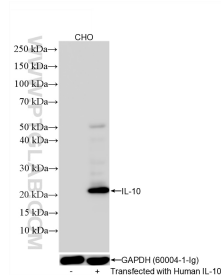
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

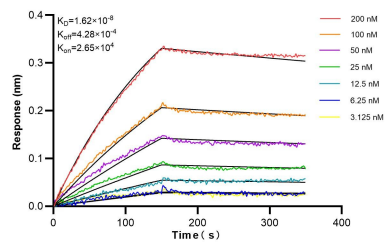
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



Transfected with Human IL-10 CHO cells were subjected to SDS PAGE followed by western blot with 86547-4-RR (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 86547-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86547-4-RR against Human IL-10 were performed. The affinity constant is 16.2 nM.