

For Research Use Only

IL-10 Recombinant monoclonal antibody

Catalog Number: 86547-4-RR



Basic Information

Catalog Number: 86547-4-RR	GenBank Accession Number: NM_000572.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3586	CloneNo.: 250059B8
Isotype: IgG	UNIPROT ID: P22301	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: EG3296	Full Name: interleukin 10	
	Calculated MW: 21 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Transfected with Human IL-10 CHO cells,
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 -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

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

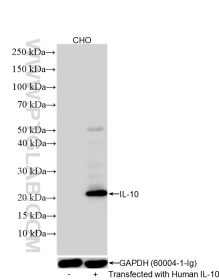
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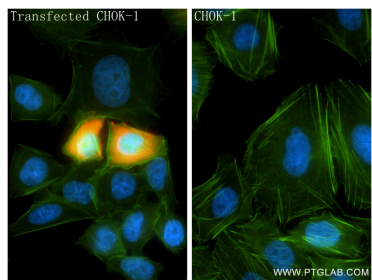
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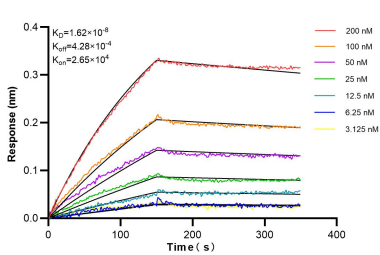
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed Transfected CHO using IL-10 antibody (86547-4-RR, Clone: 250059B8) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).



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