

For Research Use Only

IL-10RA Recombinant antibody, PBS Only

Catalog Number: 84428-3-PBS



Basic Information

Catalog Number:	84428-3-PBS	GenBank Accession Number:	BC028082	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	3587	CloneNo.:	241833D5
Source:	Rabbit	UNIPROT ID:	Q13651		
Isotype:	IgG	Full Name:	interleukin 10 receptor, alpha		
		Calculated MW:	578 aa, 63 kDa		
		Observed MW:	90 kDa		

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Interleukin-10 (IL-10) is an anti-inflammatory cytokine that plays a critical role in maintaining immune system balance. IL-10 signals through a receptor complex consisting of two molecules of the IL-10R alpha-chain (IL-10RA) and two molecules of the accessory IL-10R beta-chain (IL-10RB) (PMID: 22236434). IL-10RA and IL-10RB are members of the type II cytokine receptor family. IL-10RA, also known as IL-10R1 or CD210, is expressed on most hematopoietic cells at a basal level but is upregulated by various cells upon activation (PMID: 24507158). IL-10RA serves as the ligand-binding subunit of the receptor complex. Upon binding of IL-10 to the IL-10R complex, the kinases JAK1 and TYK2 are activated and catalyze the phosphorylation of IL-10RA at specific intracellular tyrosine residues, leading to the recruitment and subsequent phosphorylation of STAT3 (PMID: 11244051; 10433356).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

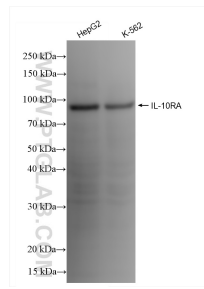
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84428-3-RR (IL-10RA antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84428-3-PBS in a different storage buffer formulation.