

For Research Use Only

# IL-10RA Recombinant antibody, PBS Only

Catalog Number: 84428-3-PBS



## Basic Information

<b>Catalog Number:</b> 84428-3-PBS	<b>GenBank Accession Number:</b> BC028082	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3587	<b>CloneNo.:</b> 241833D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13651	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 10 receptor, alpha	
	<b>Calculated MW:</b> 578 aa, 63 kDa	
	<b>Observed MW:</b> 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

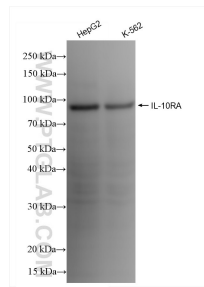
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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