

For Research Use Only

# IL9R Recombinant monoclonal antibody

Catalog Number: 87379-1-RR



## Basic Information

<b>Catalog Number:</b> 87379-1-RR	<b>GenBank Accession Number:</b> NM_002186.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3581	<b>CloneNo.:</b> 252405E6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01113-1	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 9 receptor	
<b>Immunogen Catalog Number:</b> EG2902	<b>Calculated MW:</b> 57 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MJ cells, PC-3 cells, HEK-293T cells, A549 cells, C6 cells
<b>Species Specificity:</b> human, rat	

## Background Information

Interleukin-9 (IL-9) is a cytokine produced by various cell types including TH2, TH9, TH17, regulatory T (Treg) cells, mast cells, type 2 innate lymphoid cells (ILC2), and CD8+ T cells. IL-9 activates the phosphorylation of Janus kinase 1 (JAK1) and JAK3 by binding to its receptor, IL-9R, thus initiating downstream transcriptional signaling and exerting its biological functions.

## Storage

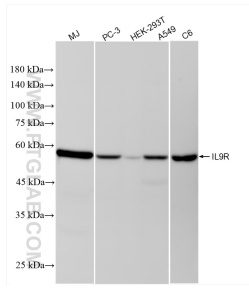
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

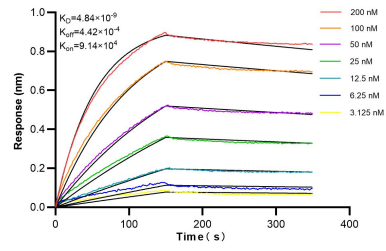
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87379-1-RR (IL9R antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87379-1-RR against Human IL9R were performed. The affinity constant is 4.84 nM.