

For Research Use Only

# IL9R Recombinant monoclonal antibody, PBS Only

Catalog Number: 87379-1-PBS



## Basic Information

<b>Catalog Number:</b> 87379-1-PBS	<b>GenBank Accession Number:</b> NM_002186.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3581	<b>CloneNo.:</b> 252405E6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01113-1	
<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

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

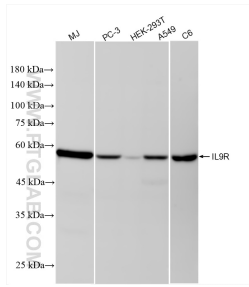
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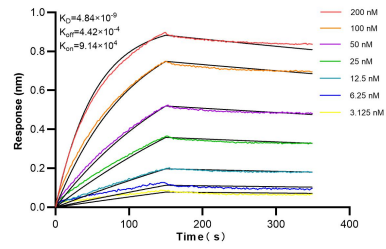
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## Selected Validation Data



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. This data was developed using the same antibody clone with 87379-1-PBS in a different storage buffer formulation.



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