

For Research Use Only

# IL-4 Recombinant antibody

Catalog Number: 84422-5-RR



## Basic Information

<b>Catalog Number:</b> 84422-5-RR	<b>GenBank Accession Number:</b> NM_201270.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 287287	<b>CloneNo.:</b> 241249H7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20096	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 4	
	<b>Calculated MW:</b> 16kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> rat	WB : Recombinant protein,

## Background Information

Interleukin-4 (IL-4) is a pleiotropic cytokine that plays a crucial role in regulating immune responses and mediating type-2 immune reactions. It is primarily produced by T-helper 2 (Th2) cells, mast cells, eosinophils, basophils, and other immune cells. IL-4 exerts its effects by binding to type I and type II receptors, initiating a signaling cascade that involves the phosphorylation of STAT6 and the transcription of IL-4-responsive genes. This pathway is essential for the regulation of immune cell functions and the maintenance of immune homeostasis.

## Storage

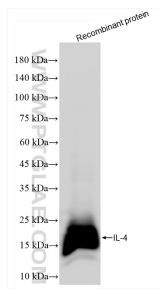
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Rat IL-4 recombinant protein (Cat No. Eg113) was subjected to SDS PAGE followed by western blot with 84422-5-RR (IL-4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.