

For Research Use Only

# IL-7 Recombinant antibody

Catalog Number: 83672-1-RR



## Basic Information

<b>Catalog Number:</b> 83672-1-RR	<b>GenBank Accession Number:</b> NM_008371.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16196	<b>CloneNo.:</b> 240343C8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q544C8	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 7	
	<b>Calculated MW:</b> 18kd	
	<b>Observed MW:</b> 25 kDa	

## Applications

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

## Background Information

Interleukin-7 (IL-7) is a cytokine involved in B and T cell development. It plays an active role in the development, survival, maintaining and restoring homeostasis of mature T lymphocytes and is a key regulator of the commitment, survival, proliferation and maturation of B cells during development. Furthermore, IL-7 can improve the antiviral function and expansion of natural killer (NK) cells and regulate the development and differentiation of dendritic cells. IL-7 has also been reported as a regulator of the development of central nervous system and myogenesis and skeletal muscle cell migration. (PMID: 29663382; 29655570; 29449560)

## 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

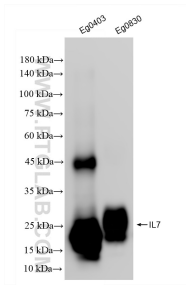
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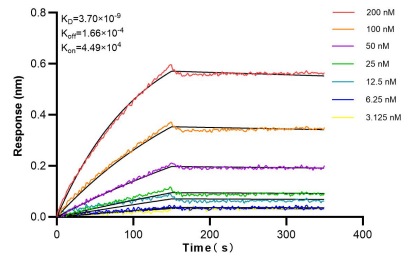
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## Selected Validation Data



Mouse IL-7 Recombinant proteins (Eg0403) and human IL-7 Recombinant protein (Eg0830) were subjected to SDS PAGE followed by western blot with 83672-1-RR (IL-7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83672-1-RR against Mouse IL-7 were performed. The affinity constant is 3.70 nM.