

For Research Use Only

# IL-2 Recombinant antibody

Catalog Number:83558-5-RR



## Basic Information

<b>Catalog Number:</b> 83558-5-RR	<b>GenBank Accession Number:</b> BC070338	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3558	<b>CloneNo.:</b> 240416H3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P60568	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 2	
	<b>Calculated MW:</b> 153 aa, 18 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells,
<b>Species Specificity:</b> human	

## Background Information

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon- $\gamma$  production and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

## 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**

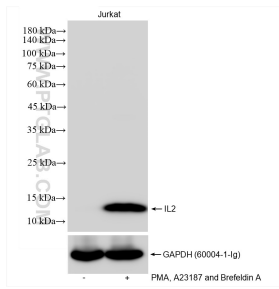
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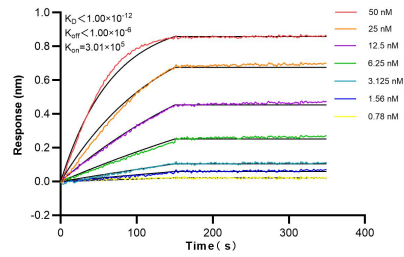
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## Selected Validation Data



Untreated, PMA, A23187 and Brefeldin A treated Jurkat cells were subjected to SDS PAGE followed by western blot with 83558-5-RR (IL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83558-5-RR against Human IL-2 were performed. The affinity constant is below 1 pM.