

For Research Use Only

# Anti-Mouse IL-2 Rabbit Recombinant Antibody



Catalog Number: 98055-1-RR

## Basic Information

<b>Catalog Number:</b> 98055-1-RR	<b>GenBank Accession Number:</b> NM_008366	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 16183	<b>CloneNo.:</b> 240358A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04351	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 2	
	<b>Calculated MW:</b> 19 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
mouse

## Background Information

Interleukin-2 (IL-2) is a four-helix bundle, type I cytokine that functions as a growth factor for a wide range of leukocytes. In the immune system, IL-2 is essential for immune homeostasis, normal T regulatory cell function, and self-tolerance. It regulates immune cell homeostasis and has been used to treat a range of disorders including cancer and autoimmune disease. IL-2 signals through heterodimerization of the IL-2R $\beta$  and IL-2R $\gamma$  receptor subunits (PMID: 25992858, 24907378, 15034008, 17981641).

## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

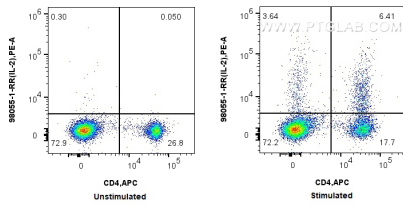
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

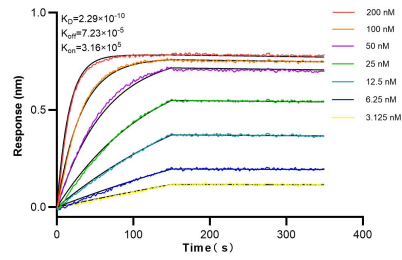
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 mouse splenocytes were intracellularly stained with CoraLite® Plus 647 Anti-Mouse CD4 and 0.25 ug Anti-Mouse IL-2 Rabbit Recombinant Antibody (98055-1-RR, Clone:240358A2) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 98055-1-RR against Mouse IL-2 were performed. The affinity constant is 0.229 nM.