

For Research Use Only

Anti-Rat IL-2 Rabbit Recombinant Antibody



Catalog Number: 98046-1-RR

Basic Information

Catalog Number: 98046-1-RR	GenBank Accession Number: NM_053836	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 116562	CloneNo.: 240264C7
Source: Rabbit	UNIPROT ID: P17108	
Isotype: IgG	Full Name: interleukin 2	
	Calculated MW: 18kd	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Rat

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 β and IL-2R γ 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.

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

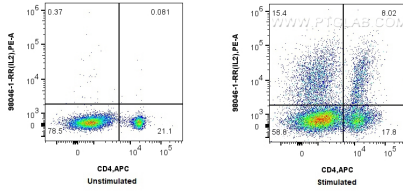
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E: Proteintech-CN@ptglab.com

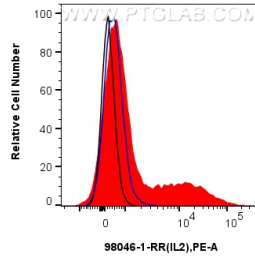
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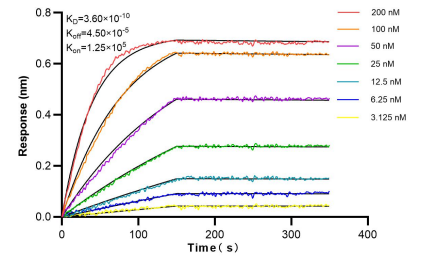
Selected Validation Data



1x10⁶ unstimulated or PMA, Ionomycin and Brefeldin A treated rat splenocytes were intracellularly stained with APC Anti-Rat CD4 (OX-35) and 0.25 ug Anti-Rat IL-2 Rabbit Recombinant Antibody (98046-1-RR, Clone: 240264C7) 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).



1x10⁶ PMA, Ionomycin and Brefeldin A treated rat splenocytes were intracellularly stained with 0.25 ug Anti-Rat IL-2 Rabbit Recombinant Antibody (98046-1-RR, Clone: 240264C7) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 98046-1-RR against Rat IL2 were performed. The affinity constant is 0.36 nM.