

For Research Use Only

Anti-Mouse IL-2 Rabbit Recombinant Antibody

Catalog Number: 98055-1-RR



Basic Information

Catalog Number:

98055-1-RR

Size:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_008366

GeneID (NCBI):

16183

UNIPROT ID:

P04351

Full Name:

interleukin 2

Calculated MW:

19 kDa

Purification Method:

Protein A purification

CloneNo.:

240358A2

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 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, pH 7.3.

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

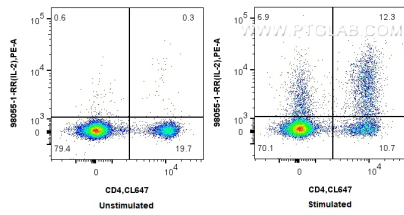
T: 4006900926

E: Proteintech-CN@ptglab.com

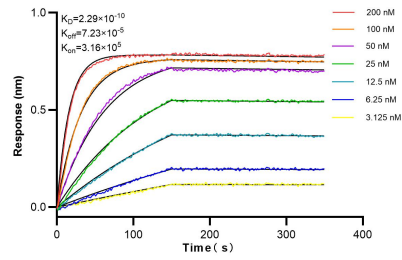
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Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated mouse splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IL-2 Rabbit Recombinant Antibody (98055-1-RR, Clone: 240358A2) and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD4. 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.