

For Research Use Only

CoraLite® Plus 647 Anti-Mouse IL-2 Rabbit Recombinant Antibody

Catalog Number: CL647-98055



Basic Information

Catalog Number:

CL647-98055

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0762

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

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): PMA, Ionomycin and Brefeldin A treated mouse splenocytes,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

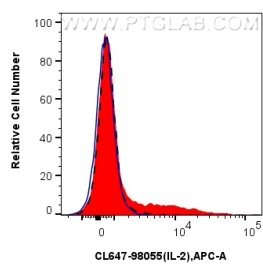
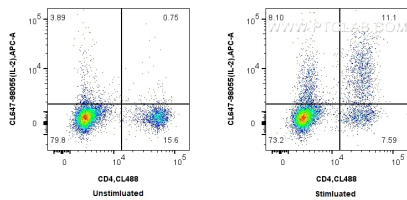
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated mouse splenocytes were intracellularly stained with CoraLite® Plus 488 Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-2 Rabbit RecAb (CL647-98055, Clone: 240358A2). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

1x10⁶ PMA, Ionomycin and Brefeldin A treated mouse splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-2 Rabbit RecAb (CL647-98055, Clone: 240358A2) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-2 Rabbit RecAb (CL647-98055, Clone: 240358A2)(black,