

For Research Use Only

FcZero-rAb® APC-Cyanine7 Anti-Mouse IL-2 Rabbit Recombinant Antibody

Catalog Number:AY7-FcA98055



Basic Information

Catalog Number:

AY7-FcA98055

Concentration:

100ug, 200 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:

650 nm / 778 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 and 0.5% BSA, pH7.3

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

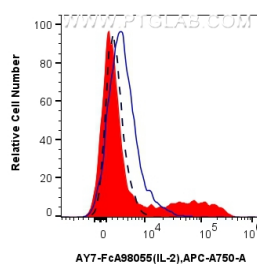
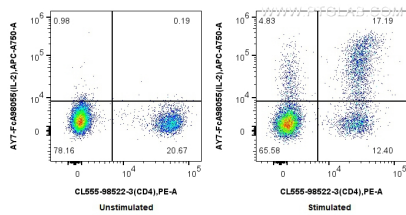
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated mouse splenocytes were intracellularly stained with CoraLite® Plus 555 Anti-Mouse CD4 and 0.25 ug APC-Cyanine7 Anti-Mouse IL-2 Rabbit RecAb (AY7-FcA98055, Clone: 240358A2). Cells were incubated with MonoZero™ Human/Mouse Fc blocking Reagent (PF00029) prior to staining. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).

1x10⁶ PMA, Ionomycin and Brefeldin A treated mouse splenocytes were intracellularly stained with 0.25 ug APC-Cyanine7 Anti-Mouse IL-2 Rabbit RecAb (AY7-FcA98055, Clone: 240358A2) (red) or FcZero-rAb@ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were intracellularly stained with 0.25 ug APC-Cyanine7 Anti-Mouse IL-2 Rabbit RecAb

