

For Research Use Only

FcZero-rAb™ PE Anti-Mouse IL-2 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98055



Basic Information

Catalog Number:

PE-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): 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra) : PMA and ionomycin 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:

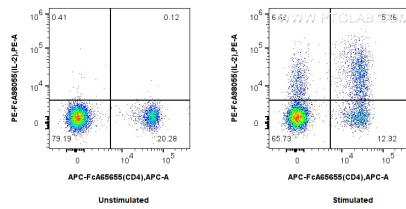
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 and ionomycin-treated mouse splenocytes were intracellularly stained with FcZero-rAb™ APC Anti-Mouse CD4 and 0.1 ug PE Anti-Mouse IL-2 Rabbit RecAb (PE-FcA98055, Clone: 240358A2). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.