

For Research Use Only

FcZero-rAb® Biotin Anti-Human IL-2 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98053



Basic Information

Catalog Number:

Biotin-FcA98053

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0828

GenBank Accession Number:

BC070338

GeneID (NCBI):

3558

UNIPROT ID:

P60568

Full Name:

interleukin 2

Calculated MW:

153 aa, 18 kDa

Purification Method:

Protein A purification

CloneNo.:

240416E3

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : PMA and Iono treated human PBMCs,

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:

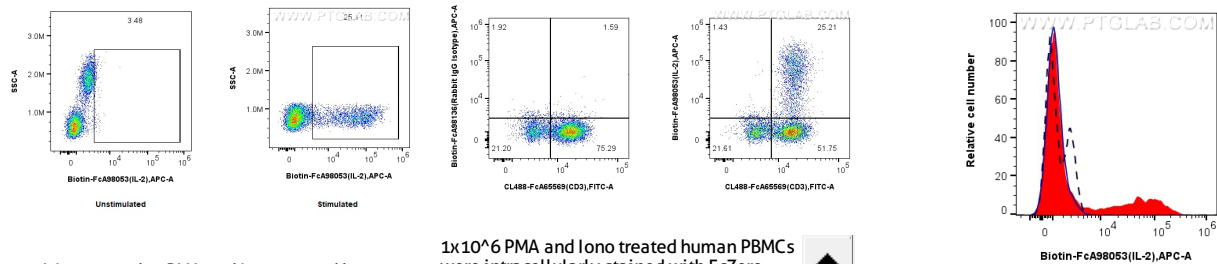
T: 4006900926

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 Iono treated human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human IL-2 Rabbit RecAb (Biotin-FcA98053, Clone: 240416E3) and Streptavidin-CoraLite® Plus 647 Conjugate (CL647-PF00030). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).

1x10⁶ PMA and Iono treated human PBMCs were intracellularly stained with FcZero-rAb® CoraLite® Plus 488 Anti-Human CD3, 0.25 ug Biotin Anti-Human IL-2 Rabbit RecAb (Biotin-FcA98053, Clone: 240416E3) or 0.25 ug FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-CoraLite® Plus 647 Conjugate (CL647-PF00030). Cells were fixed and permeabilized with Intracellular Flow

1x10⁶ PMA and Iono treated human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human IL-2 Rabbit RecAb (Biotin-FcA98053, Clone: 240416E3) (red) or 0.25 ug FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-CoraLite® Plus 647 Conjugate (CL647-PF00030). 1x10⁶ untreated human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human IL-2 Rabbit RecAb