

For Research Use Only

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

Catalog Number: Biotin-FcA98046



Basic Information

Catalog Number:

Biotin-FcA98046

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0260

GenBank Accession Number:

NM_053836

GeneID (NCBI):

116562

UNIPROT ID:

P17108

Full Name:

interleukin 2

Calculated MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

240264C7

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

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Applications

Tested Applications:

FC (Intra)

Species Specificity:

rat

Positive Controls:

FC (Intra) : PMA and ionomycin treated rat splenocytes,

Background Information

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon- γ production and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

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:

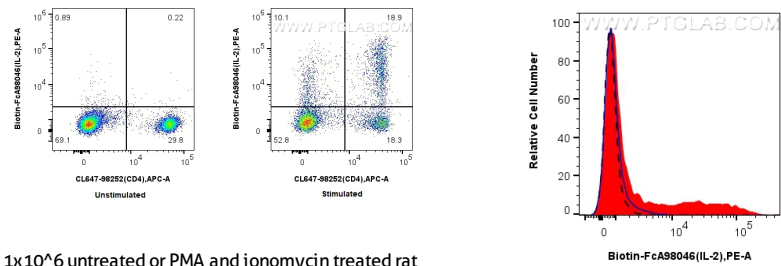
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated rat splenocytes were intracellularly stained with 0.25 ug Biotin Anti-Rat IL-2 Rabbit RecAb (Biotin-FcA98046, Clone: 240264C7) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with CoraLite® Plus 647 Anti-Rat CD4. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).

1x10⁶ PMA and ionomycin treated rat splenocytes were intracellularly stained with 0.25 ug Biotin Anti-Rat IL-2 Rabbit RecAb (Biotin-FcA98046, Clone: 240264C7) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). 1x10⁶ untreated rat splenocytes were intracellularly stained with 0.25 ug Biotin Anti-Rat IL-2 Rabbit RecAb (Biotin-

