

For Research Use Only

FcZero-rAb® Biotin Anti-Human IL-6 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98087



Basic Information

Catalog Number:

Biotin-FcA98087

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0117

GenBank Accession Number:

BC015511

GeneID (NCBI):

3569

ENSEMBL Gene ID:

ENSG00000136244

UNIPROT ID:

P05231

Full Name:

interleukin 6 (interferon, beta 2)

Calculated MW:

212 aa, 24 kDa

Purification Method:

Protein A purification

CloneNo.:

240670D12

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) : LPS and Brefeldin A treated human PBMCs,

Background Information

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

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:

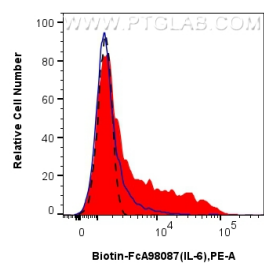
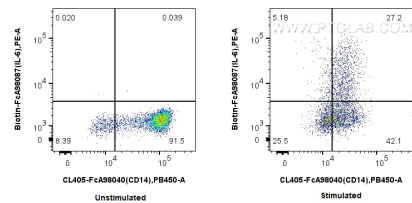
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated or LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human IL-6 Rabbit RecAb (Biotin-FcA98087, Clone: 240670D12) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD14 Rabbit Recombinant Antibody (CL405-FcA98040, Clone: 230332D7). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer.

1x10⁶ LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human IL-6 Rabbit RecAb (Biotin-FcA98087, Clone: 240670D12) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human IL-6 Rabbit RecAb (Biotin-FcA98087, Clone: 240670D12) (black, dashed) and Streptavidin-PE