

For Research Use Only

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

Catalog Number: Biotin-FcA98089



Basic Information

Catalog Number: Biotin-FcA98089	GenBank Accession Number: NM_031168	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 16193	CloneNo.: 240701E8
Source: Rabbit	UNIPROT ID: P08505	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 6	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG0973	Calculated MW: 24 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : LPS treated RAW 264.7 cells,
Species Specificity: mouse	

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:

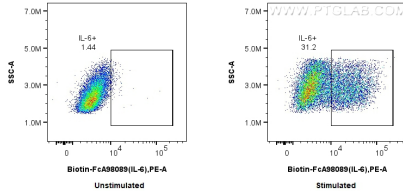
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E: Proteintech-CN@ptglab.com

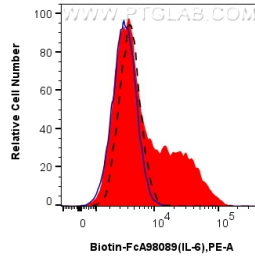
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Selected Validation Data



1x10⁶ untreated or LPS treated RAW 264.7 cells were intracellularly stained with 0.25 ug Biotin Anti-Mouse IL-6 Rabbit RecAb (Biotin-FcA98089, Clone: 240701E8) and Streptavidin-PE Conjugate (PE-PF00030). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10⁶ LPS treated RAW 264.7 cells were intracellularly stained with 0.25 ug Biotin Anti-Mouse IL-6 Rabbit RecAb (Biotin-FcA98089, Clone: 240701E8) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated RAW 264.7 cells were intracellularly stained with 0.25 ug Biotin Anti-Mouse IL-6 Rabbit RecAb (Biotin-FcA98089, Clone: 240701E8) (black, dashed) and Streptavidin-PE

