

For Research Use Only

FcZero-rAb™ Biotin Anti-Human CD126/IL-6R alpha Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98057



Basic Information

Catalog Number: Biotin-FcA98057	GenBank Accession Number: BC132684	Purification Method: Protein A purification
Size: 100ug, 500 ug/ml	GeneID (NCBI): 3570	CloneNo.: 240734A7
Source: Rabbit	UNIPROT ID: P08887	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 6 receptor	Excitation/Emission maxima wavelenghts: -
Immunogen Catalog Number: EG0490	Calculated MW: 468 aa, 52 kDa	

Applications

Tested Applications: FC, ELISA	Positive Controls: FC : human PBMCs,
Species Specificity: human	

Background Information

Interleukin-6 (IL-6) is a pleiotropic cytokine produced by a variety of cells during infection, trauma, and immunological challenge (PMID: 8274730). IL-6 acts via a receptor complex consisting of two distinct membrane-bound glycoproteins, an 80-kDa IL-6-binding subunit (IL-6R alpha, CD126, gp80) and a 130-kDa signal-transducing element (gp130, CD130). After binding of IL-6 to membrane-bound IL-6R alpha, the complex of IL-6 and IL-6R alpha associates with gp130, thus activating the receptor (PMID: 9716487). Expression of gp130 is found in almost all organs while expression of IL-6R alpha is predominantly confined to hepatocytes and leukocyte subpopulations (monocytes, neutrophils, T cells, and B cells) (PMID: 11149892). Soluble form of IL-6R alpha has been found in human serum and urine (PMID: 2529343; 1545125).

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

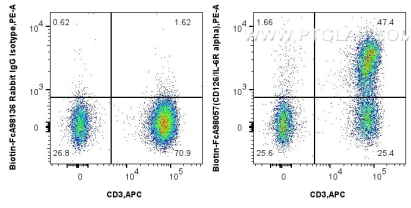
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

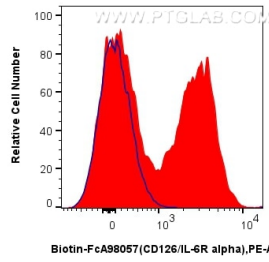
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3, 0.25 ug Biotin Anti-Human CD126/IL-6R alpha Rabbit RecAb (Biotin-FcA98057, Clone: 240734A7) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD126/IL-6R alpha Rabbit RecAb (Biotin-FcA98057, Clone: 240734A7) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.