

For Research Use Only

FcZero-rAb™ APC Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody

Catalog Number: APC-FcA98024



Basic Information

Catalog Number:

APC-FcA98024

Concentration:

100ug, 200 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0664

GenBank Accession Number:

NM_010559.3

GeneID (NCBI):

16194

Full Name:

interleukin 6 receptor, alpha

Calculated MW:

50KD

Purification Method:

Protein A purification

CloneNo.:

230371A7

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

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).

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:

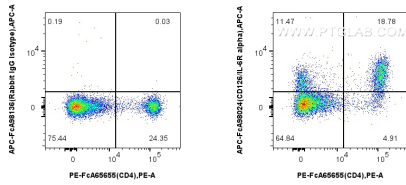
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with FcZero-rAb™ PE Anti-Mouse CD4 (RM4-4), and 0.1 ug APC Anti-Mouse CD126/IL-6R alpha Rabbit RecAb (APC-FcA98024, Clone: 230371A7) or 0.1 ug APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.