

For Research Use Only

Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody

Catalog Number: 98024-1-RR



Basic Information

Catalog Number:

98024-1-RR

Concentration:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010559.3

GeneID (NCBI):

16194

UNIPROT ID:

P22272

Full Name:

interleukin 6 receptor, alpha

Calculated MW:

50KD

Purification Method:

Protein A purification

CloneNo.:

230371A7

Applications

Tested Applications:

FC

Species Specificity:

mouse

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

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

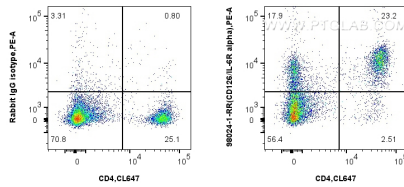
T: 4006900926

E: Proteintech-CN@ptglab.com

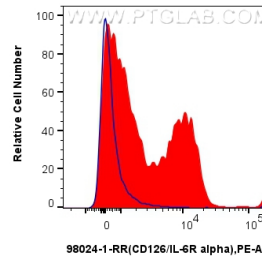
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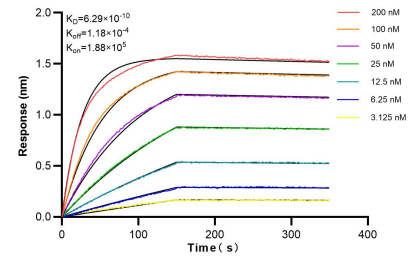
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody (98024-1-RR, Clone: 230371A7) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD126/IL-6R alpha Rabbit Recombinant Antibody (98024-1-RR, Clone: 230371A7) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98024-1-RR against Mouse IL-6R alpha were performed. The affinity constant is 0.629 nM.