

For Research Use Only

CD126/IL-6R alpha Recombinant antibody

Catalog Number: 83688-4-RR



Basic Information

Catalog Number:

83688-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC132684

GeneID (NCBI):

3570

UNIPROT ID:

P08887

Full Name:

interleukin 6 receptor

Calculated MW:

468 aa, 52 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

CloneNo.:

240734D1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : RAW 264.7 cells,

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, the complex of IL-6 and IL-6R associates with gp130, thus activating the receptor (PMID: 9716487). Expression of gp130 is found in almost all organs while IL-6R is predominantly confined to hepatocytes and leukocyte subpopulations (monocytes, neutrophils, T cells, and B cells) (PMID: 11149892).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

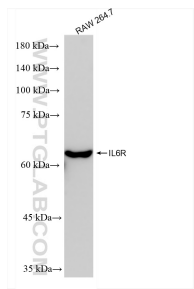
T: 4006900926

E: Proteintech-CN@ptglab.com

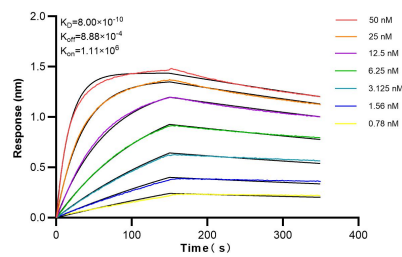
W: ptgcn.com

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Selected Validation Data



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 83688-4-RR (CD126/IL-6R alpha antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83688-4-RR against Human CD126/IL-6R alpha were performed. The affinity constant is 0.80 nM.