

For Research Use Only

# CD126/IL-6R alpha Recombinant antibody, PBS Only

Catalog Number: 83688-4-PBS



## Basic Information

Catalog Number:

83688-4-PBS

Concentration:

1 mg/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

## Applications

Tested Applications:

WB, ELISA

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, 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

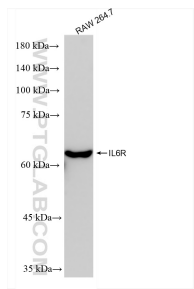
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

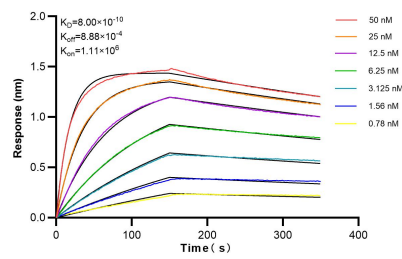
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 83688-4-PBS in a different storage buffer formulation.



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