

For Research Use Only

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

Catalog Number: 83688-4-PBS



Basic Information

Catalog Number: 83688-4-PBS	GenBank Accession Number: BC132684	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3570	CloneNo.: 240734D1
Source: Rabbit	UNIPROT ID: P08887	
Isotype: IgG	Full Name: interleukin 6 receptor	
	Calculated MW: 468 aa, 52 kDa	
	Observed MW: 65 kDa	

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.

Storage Buffer:
PBS Only

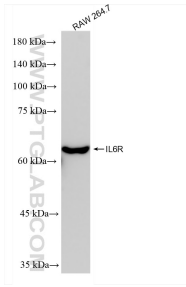
For technical support and original validation data for this product please contact:

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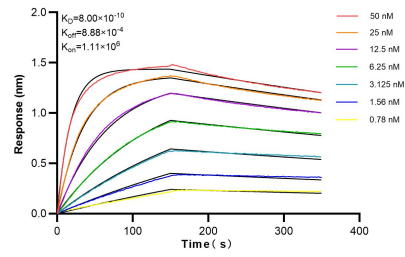
E: proteintech@ptglab.com
W: ptglab.com

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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.