

## Product Datasheet

### IL-6R alpha Rabbit Polyclonal Antibody (orb13507)

<b>Description</b>	IL-6R alpha Rabbit Polyclonal Antibody
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ELISA, FC, IF, IHC-Fr, IHC-P, WB
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from mouse IL-6R alpha (351-460/460aa)
<b>Target</b>	IL6R
<b>Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>MW</b>	50 kDa
<b>Uniprot ID</b>	<b>P22272</b>
<b>Dilution Range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1ug/Test, ELISA=1:5000-10000

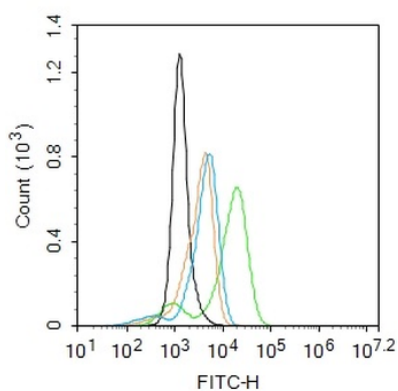
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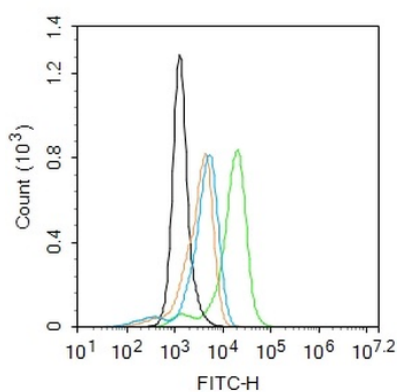
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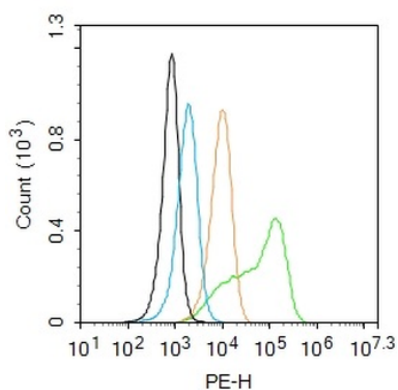
**Expiration Date** 12 months from date of receipt.



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-IL-6R alpha antibody (orb13507), Dilution: 1  $\mu\text{g}/10^6$  cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 0.5  $\mu\text{g}/\text{Test}$ . Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



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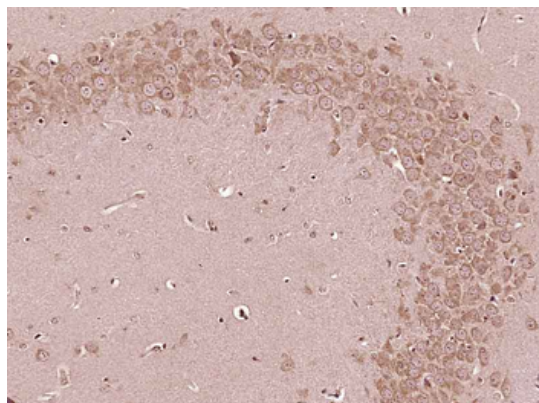
Blank control: U937. Primary Antibody (green line): Rabbit Anti-IL-6R alpha antibody (orb13507), Dilution: 2  $\mu\text{g}/10^6$  cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE, Dilution: 1  $\mu\text{g}/\text{Test}$ . Protocol, The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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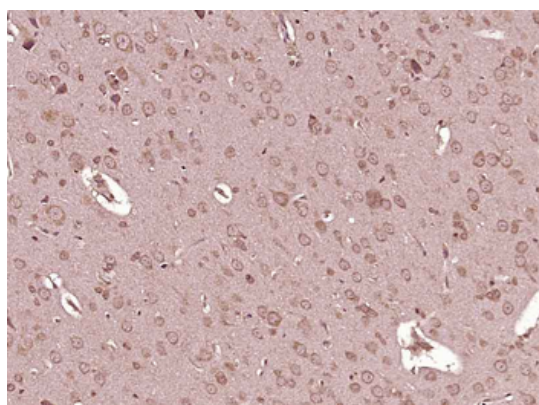
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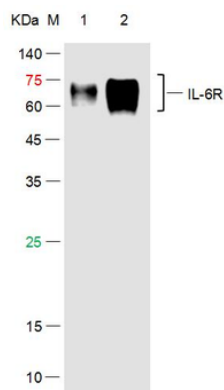
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Paraformaldehyde-fixed, paraffin embedded (Mouse brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (IL-6R alpha) Polyclonal Antibody, Unconjugated (orb13507) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (IL-6R alpha) Polyclonal Antibody, Unconjugated (orb13507) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: Lane 1: Recombinant Human IL-6R alpha Protein at 50 ng, Lane 2: Recombinant Human IL-6R alpha Protein at 500 ng, Primary: Rabbit Anti-IL-6R alpha Antibody at 1/1000, dilution (Cat. orb13507), Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 42kD, Observed band size: 58-75kD.

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