

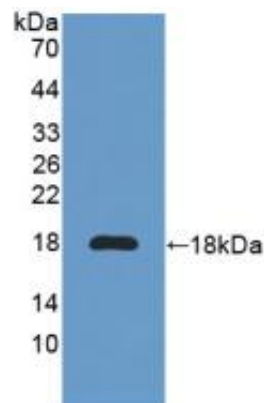
# Recombinant Mouse IL6R protein, N-His Tag

## Product Information

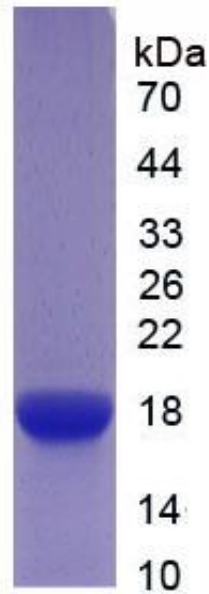
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<b>Cat</b>	IMP-2389
<b>Official Symbol</b>	IL6R
<b>Product Overview</b>	Recombinant Mouse IL6R protein(P22272)(Ala52~Ala204), fused with N-terminal His Tag, was expressed in <i>E. coli</i> .
<b>Expression System</b>	<i>E. coli</i>
<b>Species</b>	Mouse
<b>Tag</b>	N-His Tag
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Protein length</b>	Tyr504-Lys517
<b>Purity</b>	> 97%
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

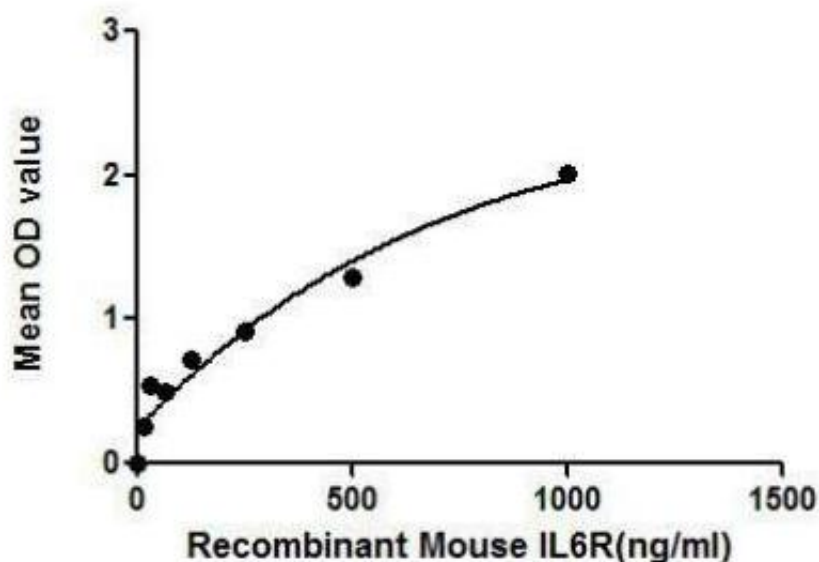
### Western Blot 1



## SDS-PAGE



## Bioactivity-ELISA



***IL6R (Interleukin-6 receptor subunit alpha) is part of the receptor for interleukin 6. The interaction of IL6R and IL6 may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis. Thus, a binding ELISA assay was conducted to detect the association of IL6R with IL6. Briefly, IL6R were diluted serially in PBS with 0.01%BSA (pH 7.4).***

***Duplicate samples of 100uL were then transferred to IL6-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IL6R pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of IL6R with IL6 was shown in Figure 1 and this effect was in a dose dependent manner.***