

## IL-6R alpha Polyclonal Antibody(Capture/Detector)

**catalog number:** AN000410P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

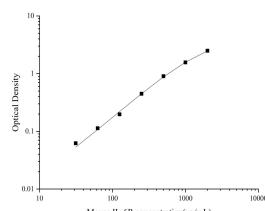
<b>Reactivity</b>	Mouse
<b>Immunogen</b>	Recombinant Mouse IL-6R alpha ra Protein expressed by Mammalian
<b>Host</b>	Goat
<b>Isotype</b>	Goat IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

### Applications

### Recommended Dilution

<b>ELISA Capture</b>	2-8 $\mu$ g/mL
<b>ELISA Detector</b>	0.1-0.4 $\mu$ g/mL

### Data



Sandwich ELISA-Recombinant Mouse IL-6R alpha ra Protein standard curve. Background subtracted standard curve using IL-6R alpha antibody(AN000410P)(Capture),IL-6R alpha antibody(AN000410P)(Detector) in sandwich ELISA.The reference range value for Recombinant Mouse IL-6R alpha ra Protein is 31.25-2000 pg/mL.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response, acute-phase reactions and hematopoiesis. The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling', the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some cells of the immune system. Whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans-signaling'. Alternatively, 'cluster signaling' occurs when membrane-bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells.

### For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.6