Leader in Biomolecular Solutions for Life Science

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# Rabbit anti-Mouse IL-6(DET)

**Catalog No.: RM17710**

## Basic Information

**Catalog No.**
RM17710

**Catagory**
Elisa Antibody Kit

**Application**
ELISA,Multiplex

## Product Information

**Ig Type**
Rabbit IgG

**Purification**
Affinity purification

**Endotoxin Level**
N/A

**Storage**
Store at -20℃
**Avoid repeated freeze-thaw cycles.**

**Formulation**
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

## Contact


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## 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.

## Immunogen Information

**Immunogen**
Recombinant mouse IL-6 Protein

## Cross-Reactivity

No cross-reactivity in immunoassay with recombinant
Human IL-6, Mouse IL-11

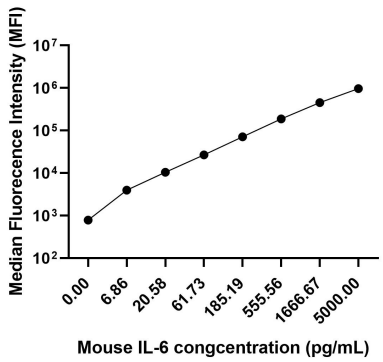
## Assay Applications

Mouse IL-6 Sandwich Immunoassay

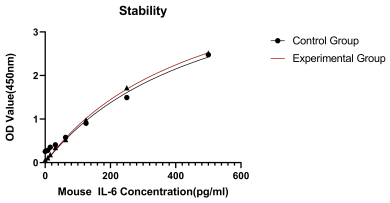
| | | Recommended Concentration | Sample |
|---|---|---|---|
| ELISA | Capture | 0.5-2 μg/mL | Rabbit anti-Mouse IL-6 mAb (Cat. No. RM17709) |
| | Detection | 0.0125-0.05 μg/mL | Rabbit anti-Mouse IL-6 mAb (Cat. No. RM17710) |
| | Standard | 7.81-500 pg/mL | Recombinant Mouse IL-6 Protein (Cat. No.RP01321) |

| | | | |
|---|---|---|---|
| Multiplex | Capture | 1-4 μg/mL | Rabbit anti-Mouse IL-6 mAb (Cat. No. RM17710) |
| | Detection | 0.125-0.5 μg/ml | Rabbit anti-Mouse IL-6 mAb (Cat. No. RM17709) |
| | Standard | 6.86-5000 pg/mL | Recombinant Mouse IL-6 Protein (Cat. No.RP01321) |

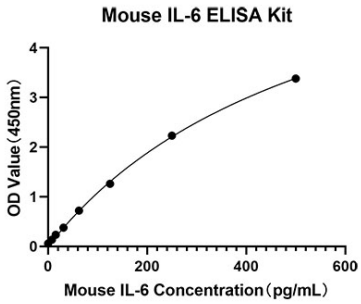
## Validation Data




This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.




Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.




This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.