

# Anti- Mouse IL-6R mAb (DET)

**Catalog No.: RMK0311**

## Basic Information

**Catalog No.**  
RMK0311

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification


**Endotoxin Level**

**Storage**  
Store at -20°C. Avoid freeze / thaw cycles. Preservative 0.05%ProClin 300.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

## Contact

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## Background

IL-6R alpha (IL-6RA) is a subunit alpha of IL-6 receptors, also shared by other interleukin receptors. IL-6RA is a type I transmembrane glycoprotein, which forms a complex with the type I transmembrane signal transducer Glycoprotein 130 (CD130) and regulates the biological activity of IL-6 with a low affinity. IL-6RA acts as IL-6 agonist and involves in JAK/STAT, MAPK, and Akt signaling pathway. IL-6RA has 2 isoform including mIL-6R (the longer one) or sIL-6R (the shorter one): The mIL-6R is membrane-bound interleukin-6 receptor, has the potential to drive naive CD4+ T cells to the Th17 lineage, through 'cluster signaling' by dendritic cells. The sIL-6R is soluble interleukin-6 receptor subunit, cleaved from IL-6RA in activated CD4+ T cells by proteolysis, and serves as IL-6 agonist. sIL-6R binds membrane-bound IL-6R and subunit IL6ST to activate regenerative and anti-inflammatory signal via IL-6 trans signaling and promotes pro-inflammatory properties of IL-6. The hydrolysis of IL-6R alpha is also called ectodomain shedding. IL-6RA i...

## Immunogen Information

**Immunogen**  
Recombinant Mouse IL-6R

## Cross-Reactivity

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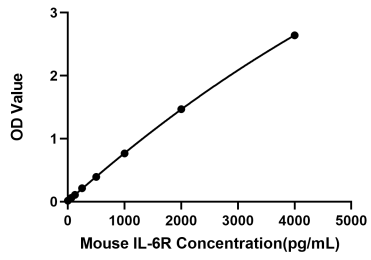
## Assay Applications

Mouse IL-6R Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4 ug/mL	Rabbit anti-Mouse IL-6R (CAP)(Cat. No.RMK0310)
ELISA Detection	0.015-0.06ug/mL	Rabbit anti-Mouse IL-6R (DET)(Cat. No.RMK0311)
Standard	62.5-4000pg/mL	Recombinant Mouse IL-6R Protein(Cat. No. RP01862)

## Validation Data

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