Leader in Biomolecular Solutions for Life Science

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# Rabbit anti-Human IL-4 mAb

**Catalog No.: RMK0464**

## Basic Information

**Catalog No.**
RMK0464

**Catagory**
Elisa Antibody Kit

**Application**
ELISA,CLIA

## Product Information

**Ig Type**
Rabbit IgG

**Purification**
Affinity purification

**Endotoxin Level**
/

**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 7.4.

## Contact


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## Background

The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. IL4 is considered an important cytokine for tissue repair, counterbalancing the effects of proinflammatory type 1 cytokines, however, it also promotes allergic airway inflammation. Moreover, IL-4, a type 2 cytokine, mediates and regulates a variety of human host responses such as allergic, anti-parasitic, wound healing, and acute inflammation...

## Immunogen Information

**Immunogen**
Recombinant Human IL-4 protein

## Cross-Reactivity

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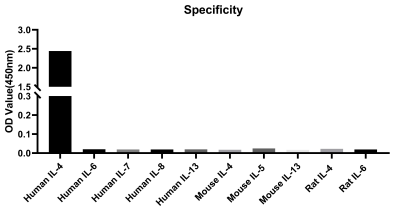
## Assay Applications

Human IL-4 Sandwich Immunoassay

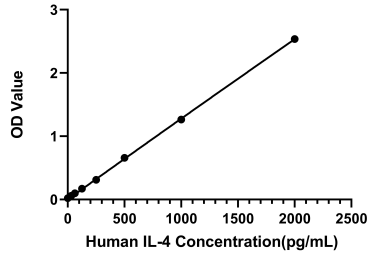
| | | Recommended Concentration | Sample |
|---|---|---|---|
| ELISA | Capture | 1-4 μg/ml | Rabbit anti-Human IL-4 mAb (Cat. No. RMK0464) |
| | Detection | 0.01-0.04 μg/ml | Rabbit anti-Human IL-4 mAb (Cat. No. RMK0465) |
| | Standard | 31.25-2000 pg/mL | Recombinant Human IL-4 Protein (Cat. No. RP00995) |

| | | | |
|---|---|---|---|
| CLIA | Capture | 0.5-2 μg/ml | Rabbit anti-Human IL-4 mAb (Cat. No. RMK0465) |
| | Detection | 0.25-1 μg/ml | Rabbit anti-Human IL-4 mAb (Cat. No. RMK0464) |
| | Standard | 4.9-5000 pg/mL | Recombinant Human IL-4 Protein |

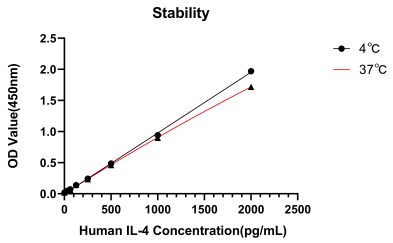
## Validation Data




No significant cross-reactivity or interference was observed.




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




Placed at 37°C for 7 days, the stability of the standard curve all conform to CV <10%.