Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-4 mAb

Catalog No.: RMK0465

Basic Information

Catalog No.
RMK0465

Catagory
Elisa Antibody Kit

Application
ELISA,CLIA

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

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

Human

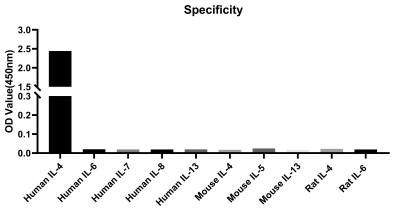
Assay Applications

Human IL-4 Sandwich Immunoassay

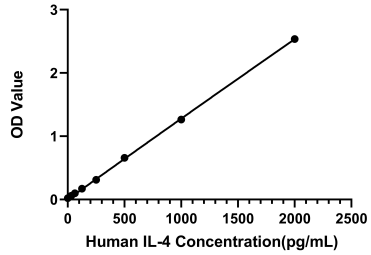
		Recommended Concentration	Sample
ELISA	Capture	1-4 μg/ml	Rabbit anti-Human IL-4 mAb (Cat. No. RMK0464)
	Detection	0.01-0.04 μg/ml	Rabbit anti-Human IL-4 mAb (Cat. No. RMK0465)
	Standard	31.25-2000 pg/mL	Recombinant Human IL-4 Protein (Cat. No. RP00995)

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

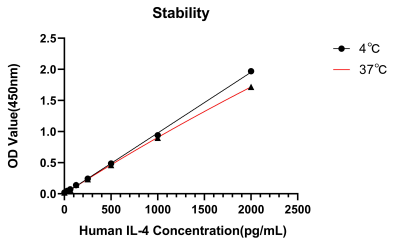
Validation Data



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%.