Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-4 mAb

Catalog No.: RM17736

Basic Information

Catalog No.
RM17736

Catagory
Elisa Antibody Kit

Application
ELISA,Multiplex,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 0.2μm filtered solution in PBS with 0.05% Proclin300, PH 7.4.

Contact

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www.abclonal.com

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 fusion protein containing a sequence corresponding to amino acids 25-153 of human IL-4 (NP_000580.1).

Cross-Reactivity

No cross-reactivity in ELISA with recombinant hIL-13□mGM-CSF □mIL-13□mIL-4□rIL-4□rIL-4

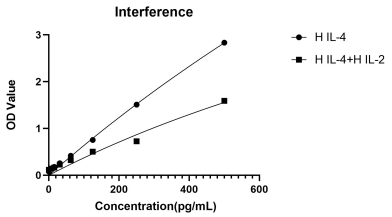
Assay Applications

Human IL-4 Sanwich Immunoassay

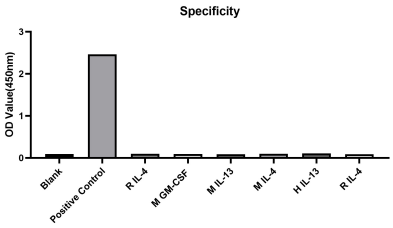
		Recommended Concentration	Sample
ELISA	Capture	0.5-2ug/mL	Rabbit anti-Human IL-4(CAP)(Cat. No.RM17735)
	Detection	0.006-0.024ug/mL	Rabbit anti-Human IL-4(DET)(Cat. No.RM17736)
	Standard	7.81-500pg/mL	Recombinant Human IL-4 Protein

CLIA	Capture	1-4ug/mL	Rabbit anti-Human IL-4(CAP)(Cat. No.RM17736)
	Detection	0.5-2ug/mL	Rabbit anti-Human IL-4(DET)(Cat. No.RM17745)
	Standard	2.5-10ng/mL	Recombinant Human IL-4 Protein

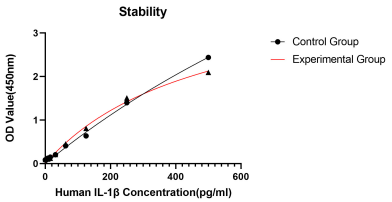
Validation Data



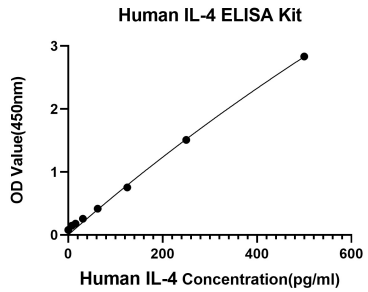
No significant cross-reactivity or interference was observed.



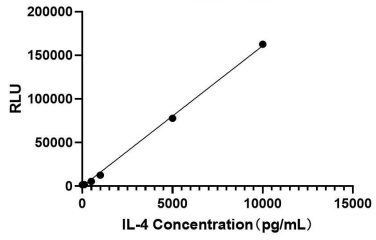
No significant cross-reactivity or interference was observed.



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



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



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