

# 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°C.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2µm filtered solution in PBS with 0.05% Proclin300, PH 7.4.

## Contact

 | order@abclonal.com

 | support@abclonal.com

 | 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

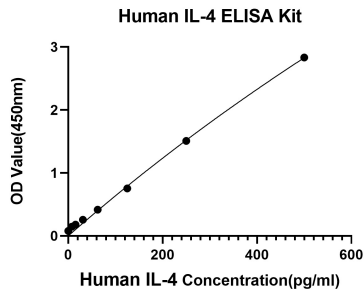
No cross-reactivity in ELISA with recombinant hIL-13, mGM-CSF, mL-13, rIL-4, rIL-4

## Assay Applications

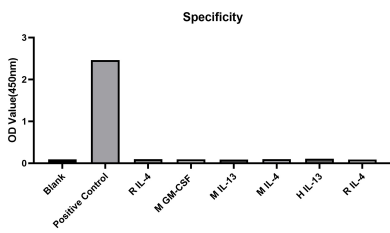
Human IL-4 Sanwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2ug/mL	Rabbit anti-Human IL-4(CAP)(Cat. No.RM17735)
ELISA 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

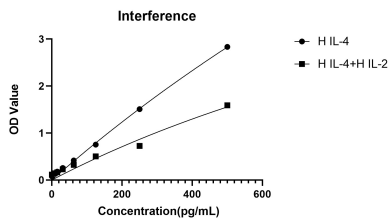
# Validation Data



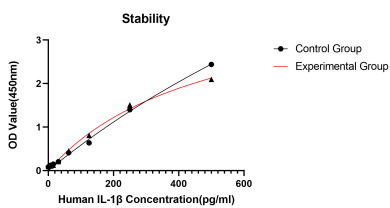
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



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 conform to CV <10%.