

Rabbit anti-Mouse IL-4 mAb (DET)

Catalog No.: RM17871

Basic Information

Catalog No.
RM17871

Category
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.
Preservative □ 0.05% ProClin 300.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2µm filtered solution in PBS with 0.05% ProClin 300, 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.

Immunogen Information

Immunogen
Recombinant Mouse IL-4 protein

Cross-Reactivity

No cross-reactivity in ELISA assay with recombinant
 Mouse GM-CSF □ Mouse G-CSF □ Mouse IFN-gamma □ Mouse IFN-beta □ Mouse IL-1 beta
 □ Mouse IL-2 □ Mouse IL-6 □ Mouse IL-10 □ Mouse IL-5 □ Mouse IL-9 □ Mouse CXCL1/KC
 □ Mouse TNF-alpha □ Human IL-4 □ Rat IL-4

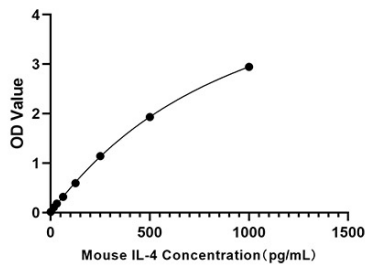
Assay Applications

Mouse IL-4 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4µg/mL	Rabbit anti-Mouse IL-4 (CAP)(Cat. No.RM17870)
ELISA Detection	0.007-0.028µg/mL	Rabbit anti-Mouse IL-4 (DET)(Cat. No.RM17871)
Standard	15.6-1000pg/mL	Recombinant Mouse IL-4 Protein(Cat. No.RP01161)

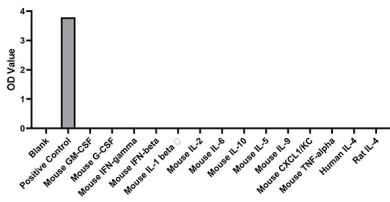
Validation Data

Mouse IL-4 ELISA Kit



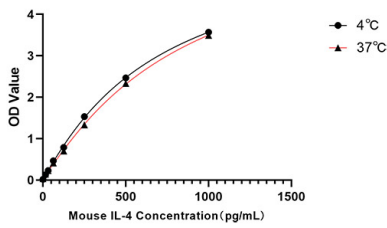
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

Specificity



From the comparison of the standard curve, it is found that ABclonal has high sensitivity.

Stability



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