

Rabbit anti-Mouse IL-1B mAb(DET)

Catalog No.: RMK0018

Basic Information

Catalog No.
RMK0018

Catagory
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 0.2um filtered solution in PBS with 0.05% ProClin 300, PH 7.4.

Contact

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Background

Potent pro-inflammatory cytokine. Initially discovered as the major endogenous pyrogen, induces prostaglandin synthesis, neutrophil influx and activation, T-cell activation and cytokine production, B-cell activation and antibody production, and fibroblast proliferation and collagen production. Promotes Th17 differentiation of T-cells. Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells. Plays a role in angiogenesis by inducing VEGF production synergistically with TNF and IL6. Involved in transduction of inflammation downstream of pyroptosis: its mature form is specifically released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore.

Immunogen Information

Immunogen
Recombinant Mouse IL-1B

Cross-Reactivity

No cross-reactivity in ELISA assay with recombinant
M.IL-1β □ M.IL-1α □ M-IL-2 □ M.IL-4 □ M.IL-5 □ M.IL-6 □ M.IL-9 □ M.IL-10 □ M.IL-11 □
M.IL-12/IL-23 p40 □ M.IL-13 □ M.IL-15 □ M.IL-20 □ R.IL-1α □ R.IL-1β □ H.IL-1β

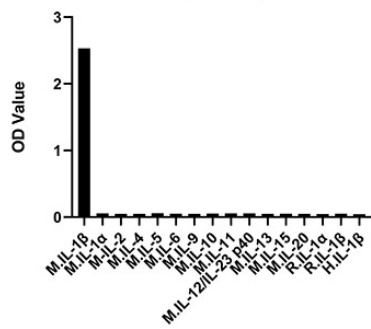
Assay Applications

Mouse IL-1B Sandwich ELISA Immunoassay

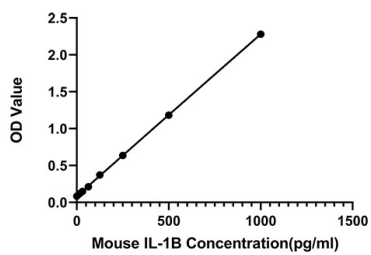
	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Mouse IL-1B (CAP)(Cat. No.RMK0017)
ELISA Detection	0.125-0.5ug/mL	Rabbit anti-Mouse IL-1B (DET)(Cat. No.RMK0018)
Standard	15.63-1000pg/mL	Recombinant Mouse IL-1B Protein

Validation Data

Specificity



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.