

# Rabbit anti-Mouse IL-1 $\beta$ mAb (DET)

Catalog No.: RM17860

## Basic Information

**Catalog No.**  
RM17860

**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

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

## 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

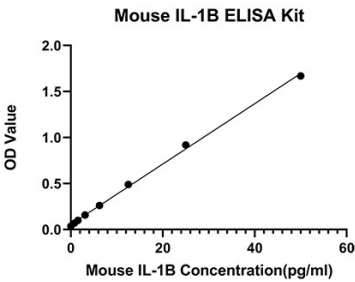
No cross-reactivity in ELISA assay with recombinant  
M.IL-1 $\beta$  M.IL-1 $\alpha$  M-IL-2 M.IL-4 M.IL-5 M.IL-6 M.IL-9 M.IL-10 M.IL-11  
M.IL-12/IL-23 p40 M.IL-13 M.IL-15 M.IL-20 R.IL-1 $\alpha$  R.IL-1 $\beta$  H.IL-1 $\beta$

## Assay Applications

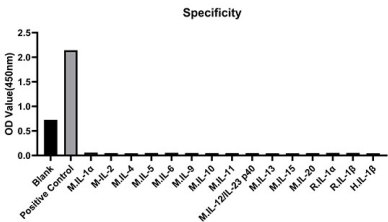
Mouse IL-1B Sandwich ELISA Immunoassay

|                 | Recommended Concentration | Sample   |
|-----------------|---------------------------|--|
| ELISA Capture   | 1-4ug/mL                  | Rabbit anti-Mouse IL-1B (CAP)(Cat. No.RM17859) |
| ELISA Detection | 0.033-0.133ug/mL          | Rabbit anti-Mouse IL-1B (DET)(Cat. No.RM17860) |
| Standard        | 0.78125-50 pg/mL          | Recombinant Mouse IL-1B Protein                |

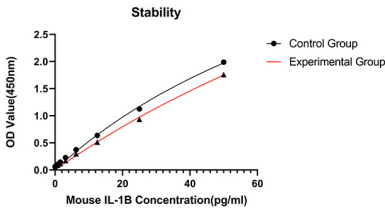
Validation Data



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



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



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