

# Rabbit anti-Rat IL-1 $\beta$ mAb (CAP)

**Catalog No.: RM17833**

## Basic Information

**Catalog No.**  
RM17833

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

## Contact

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 | [support@abclonal.com](mailto:support@abclonal.com)

 | [www.abclonal.com](http://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

## Cross-Reactivity

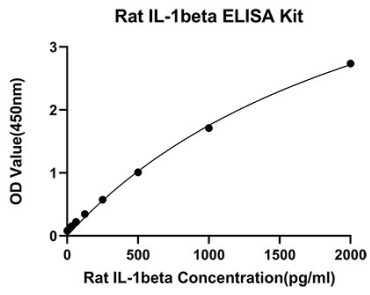
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## Assay Applications

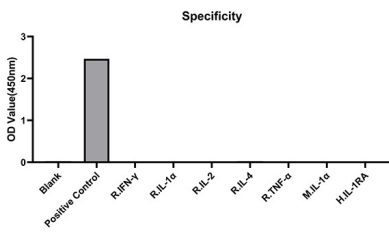
Rat IL-1B Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-4ug/mL	Rabbit anti-Rat IL-1B (CAP)(Cat. No.RM17833)
ELISA Detection	0.016.5-0.066ug/mL	Rabbit anti-Rat IL-1B (DET)(Cat. No.RM17834)
Standard	31.25-2000pg/mL	Recombinant Rat IL-1B Protein

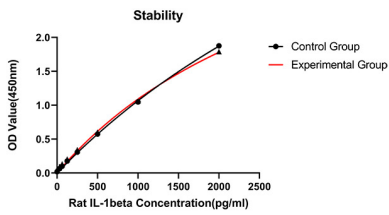
# Validation Data



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%.