



## **Polyclonal Anti- Interleukin-1 beta, *IL1B* (Sepharose Bead Conjugate)**

**Catalogue No.** PA1341-S

**Lot No.** 0131012124199

**Ig type:** rabbit IgG

**Size:** 100µg/vial

### **Specificity**

Human.. No cross reactivity with other proteins.

### **Recommended application**

*(Immunoprecipitation(IP))*

### **Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of human IL1B (249-269 aa), identical to the related mouse and rat sequence.

### **Purification**

Immunogen affinity purified.

### **Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub>a<sub>3</sub> preservative.

### **Storage**

Store at 4°C for frequent use.

### **Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

## **BACKGROUND**

Interleukin-1 beta(IL-1β) also known as catabolin, is a cytokine protein that in humans is encoded by the IL1B gene, which localizes to the long arm of chromosome 2 at position 2q13-2q21 between two fragile sites.<sup>1</sup> Interleukin 1 (IL-1) is a protein with several biological activities regulating host defense and immune responses.<sup>2</sup> The human IL-1 family plays an important role in the pathogenesis of many diseases and functions as a key mediator of the host response to various infectious, inflammatory, and immunologic challenges.<sup>3</sup>

## **REFERENCE**

- 1、 Webb, A. C., Collins, K. L., Auron, P. E., Eddy, R. L., Nakai, H., Byers, M. G., Haley, L. L., Henry, W. M., Shows, T. B. Interleukin-1 gene (IL1) assigned to long arm of human chromosome 2. *Lymphokine Res.* 5: 77-85, 1986.
- 2、 Auron, P. E., Webb, A. C., Rosenwasser, L. J., Mucci, S. F., Rich, A., Wolff, S. M., Dinarello, C. A. Nucleotide sequence of human monocyte interleukin 1 precursor cDNA. *Proc. Nat. Acad. Sci.* 81: 7907-7911, 1984.
- 3、 Dinarello, C. A. An update on human interleukin-1: from molecular biology to clinical relevance. *J. Clin. Immun.* 5: 287-297, 1985.

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