



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

Catalogue No. PA1351-S

Lot No. 01310121851124

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Rat, mouse.

No cross reactivity

with other proteins.

Recommended application

(Immunoprecipitation(IP))

Immunogen

A synthetic peptide corresponding to a sequence at the middle region of rat IL1B (211-225 aa), different from the mouse sequence by one amino acid.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2

with 0.01mg NaN₃ 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-1 β) 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.¹ Interleukin 1 (IL-1) is a protein with several biological activities regulating host defense and immune responses.² 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.³

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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