



Product Information Sheet

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

Catalogue No. PA1341-M

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.

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

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.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.