

IL-1 beta Monoclonal Antibody

catalog number: AN200016P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

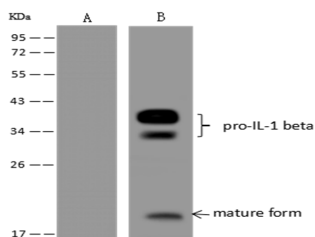
Description

Reactivity	Human
Immunogen	A synthetic peptide corresponding to the center region of the Human IL-1 beta
Host	Mouse
Isotype	IgG2b
Clone	7F13
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with IL-1 beta Monoclonal Antibody at dilution of 1:500. Lane A: Untreated THP1 Whole Cell Lysate, Lane B: THP-1 cells differentiated with TPA(80 nM, overnight) followed by treatment with LPS(1 µg/ml ,8h), Lysates/proteins at 30 µg per lane.

Observed-MW:18 kDa, 34 kDa, 36 kDa

Calculated-MW:31 kDa

Preparation & Storage

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-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

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.

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