

A Reliable Research Partner in Life Science and Medicine

# 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
 A860

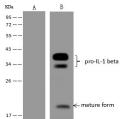
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB 1:500-1:2000

#### 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.

#### For Research Use Only