

## IL-1 beta Monoclonal Antibody

**catalog number:** AN200016P

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

### Description

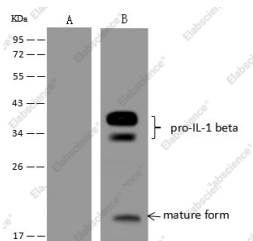
|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human                                                                         |
| <b>Immunogen</b>    | A synthetic peptide corresponding to the center region of the Human IL-1 beta |
| <b>Host</b>         | Mouse                                                                         |
| <b>Isotype</b>      | Mouse IgG2b                                                                   |
| <b>Clone</b>        | A860                                                                          |
| <b>Purification</b> | Protein A                                                                     |
| <b>Buffer</b>       | 0.2 µm filtered solution in PBS                                               |

### Applications

### Recommended Dilution

|           |              |
|-----------|--------------|
| <b>WB</b> | 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

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Rev. V1.2