

## Recombinant Human IL1B protein ,C- His Tag

CatalogNo: YD2203

### Key Features

Reactivity

- Human

### Storage

**Storage\*** Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.

**Formulation** Supplied as solution form in PBS pH7.5./ Lyophilized from PBS pH7.5.

### Recommended Dilution Ratios

Reconstitute in sterile water for a stock solution

### Basic Information

**Source** E.coli

**Purification** E.coli

**Purity** >90% as determined by SDS-PAGE

### Immunogen Information

**Sequence** A DNA sequence encoding the human IL1B(Ala117~Ser269) was fused with the C-terminal His Tag

### Target Information

**Protein Name****Organism****Gene ID****UniProt ID**

Human

[3553](#);[P01584](#);**Cellular  
Localization**

Cytoplasm, cytosol . Secreted . Lysosome . Secreted, extracellular exosome . The precursor is cytosolic (PubMed:15192144). In response to inflammasome-activating signals, such as ATP for NLRP3 inflammasome or bacterial flagellin for NLRC4 inflammasome, cleaved and secreted (PubMed:24201029, PubMed:33377178, PubMed:33883744). Mature form is secreted and released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore (PubMed:33883744). In contrast, the precursor form is not released, due to the presence of an acidic region that is proteolytically removed by CASP1 during maturation (PubMed:33883744). The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10 (PubMed:32272059). .

**Tissue specificity** Expressed in activated monocytes/macrophages (at protein level).

## | Validation Data

## | Contact information

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