

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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Recombinant Human IL1B protein, C- His Tag

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