

IL-1B (PN0164) Nb-FC recombinant antibody

CatalogNo: YA0609 **Recombinant** 

Key Features

Reactivity

- Human

Applications

- ELISA

Recommended Dilution Ratios

ELISA 1:5000-100000

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Basic Information

Source Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell

Purification Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell

Clone Number PN0164

Immunogen Information

Immunogen Purified recombinant Human IL-1B

Specificity This recombinant monoclonal antibody can detects endogenous levels of IL-1B protein.

Target Information

Gene name IL1B IL1F2

Protein Name Interleukin-1 beta (IL-1 beta) (Catabolin)

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).

Function

Interleukin (IL)-1 β is a cytokine with a key role in the pathophysiology of local and systemic inflammation. IL-1 β induces cytokine, chemokine, proinflammatory molecule secretion, and adhesion molecule expression in diverse cells.

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:
IL-1B (PN0164) Nb-FC recombinant antibody

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