

## IL-1B (PN0298) Nb-FC recombinant antibody

CatalogNo: YA0256 **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** PN0298

### Immunogen Information

**Immunogen** Purified recombinant Human IL-1B

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

### Target Information

<b>Gene name</b>	IL1B IL1F2		
<b>Protein Name</b>	Interleukin-1 beta (IL-1 beta) (Catabolin)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">3553</a> ;	<a href="#">P01584</a> ;
<b>Cellular Localization</b>	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). .		
<b>Tissue specificity</b>	Expressed in activated monocytes/macrophages (at protein level).		
<b>Function</b>	Interleukin (IL)-1 $\beta$ is a cytokine with a key role in the pathophysiology of local and systemic inflammation. IL-1 $\beta$ induces cytokine, chemokine, proinflammatory molecule secretion, and adhesion molecule expression in diverse cells.		

## Validation Data

## Contact information

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**IL-1B (PN0298) Nb-FC recombinant antibody**

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