

IL-1 beta Rabbit mAb [8V6U]

Cat NO. :A73502

Information:

| Applications | Reactivity: | UniProt ID: | MW(kDa) | Host | Isotype | Size |
|--------------|-------------|-------------|-----------|--------|---------|-------------|
| WB,ICC/IF | H | P01584 | 27-32 kDa | Rabbit | IgG | 100ul,200ul |

Applications detail:

| Application | Dilution |
|--|-------------|
| WB | 1:1000-2000 |
| ICC/IF | 1:100 |
| The optimal dilutions should be determined by the end user | |

Conjugate:

UnConjugate

Form:

Liquid

sensitivity:

Endogenous

Purification:

Protein A purification

Specificity:

Antibody is produced by immunizing animals with a synthetic peptide at the sequence of human IL-1 beta

Storage buffer and conditions :

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

Tissue specificity:

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

Subcellular location:

Cytoplasm, cytosol. Secreted. Lysosome. Secreted, extracellular exosome.

Function:

Potent pro-inflammatory cytokine (PubMed:3920526, PubMed:10653850, PubMed:12794819). 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 (PubMed:3920526). Promotes Th17 differentiation of T-cells. Synergizes with IL12/interleukin-12 to induce IFNG synthesis from T-helper 1 (Th1) cells (PubMed:10653850). Plays a role in angiogenesis by inducing VEGF production synergistically with TNF and IL6 (PubMed:12794819). Involved in

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

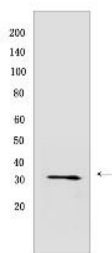
Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Ml:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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transduction of inflammation downstream of pyroptosis: its mature form is specifically released in the extracellular milieu by passing through the gasdermin-D (GSDMD) pore (PubMed:33377178, PubMed:33883744)..

Validation Data:

IL-1 beta Rabbit mAb [8V6U] Images



Western blot (SDS PAGE) analysis of extracts from LPS treated THP-1 cells. Using IL-1 beta Rabbit mAb [8V6U] at dilution of 1:1000 incubated at 4°C over night.

View more information on <http://naturebios.com>

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.