

# Product Information

## Recombinant Anti-Human IL1B Antibody

Cat. No.: **MOM-18021**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Human Antibody is bind to Human IL1 beta, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Produced by activated macrophages, IL1 stimulates thymocyte proliferation by inducing IL2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

### Specific Activity

Tested positive against native antigen.

### Target

IL1 beta

### Immunogen

Recombinant human IL1 beta.

### Source

Human

### Species Reactivity

Human

### Type

Human IgG1 - kappa

### Expression Host

CHO

### Predicted N terminal

H Chain: EVQLVQS; L Chain: EIVLTQS

### Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in WB, ELISA, IP, FC, FuncS, Neut, IF and most other immunological methods.

### Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

## ANTIGEN GENE INFORMATION

### Gene Name

[IL1B interleukin 1, beta \[ Homo sapiens \]](#)

### Official Symbol

IL1beta

### Synonyms

Catabolin; H1; Hematopoietin 1; IFN beta inducing factor; IL 1; IL 1 beta; IL 1B; IL-1 beta; IL1 BETA; IL1F2; Interleukin 1 beta; Interleukin 1 beta precursor; Interleukin-1 beta; LAF; OAF; Osteoclast activating factor; OTTHUMP00000162031; Preinterleukin 1 beta; Preinterleukin beta; Pro interleukin 1 beta

### Gene ID

[3553](#)

### mRNA Refseq

[NM\\_000576.2](#)

### Protein Refseq

[NP\\_000567.1](#)

### MIM

[147720](#)

### Pathway

African trypanosomiasis; Alzheimer"s disease; Amoebiasis; Apoptosis; Cellular roles of Anthrax toxin; Chagas disease  
American trypanosomiasis; Cytokine Signaling in Immune system;

### Function

cytokine activity; growth factor activity; interleukin-1 receptor binding; protein domain specific binding