

# Product Information

## Recombinant Anti-Human IL1B Antibody scFv Fragment

Cat. No.: **MOM-18021-S(P)**

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

### Product Overview

Recombinant Human Antibody scFv Fragment is specific to Human IL1 beta, expressed in E. coli

### 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

scFv Fragment from Human IgG1 - kappa

### Expression Host

E. coli

### Purity

Purity >95% by SDS-PAGE.

### Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

### Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

## 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