

Product Information

Recombinant Anti-Human IL1B Antibody Fab Fragment

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

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

Product Overview

Recombinant Human Antibody Fab Fragment specifically binds 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

Fab Fragment based on Human IgG1 - kappa

Expression Host

E. coli

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

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

Storage

At -20°C for one year.

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