

# Product Information

## Recombinant Anti-Human IL6 Antibody Fab Fragment

Cat. No.: **MOM-18253-F(E)**

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

### Product Overview

Recombinant Humanized (from rat) Antibody Fab Fragment is directed against Human IL-6, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.

### Specific Activity

Tested positive against native antigen.

### Target

IL-6

### Immunogen

Recombinant full length protein (Human).

### Source

Humanized (from rat)

### Species Reactivity

Human

### Type

Fab Fragment based on Humanized (from rat) IgG4 - kappa

### Expression Host

CHO

### Predicted N terminal

H chain: EVQLLES; L Chain: DIQMTQS

### Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Applications

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

### Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

## ANTIGEN GENE INFORMATION

### Gene Name

[IL6 interleukin 6 \(interferon, beta 2\) \[ Homo sapiens \]](#)

### Official Symbol

IL6

### Synonyms

IL6; interleukin 6 (interferon, beta 2); IFNB2; interleukin-6; BSF2; HGF; HSF; IL 6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation factor; IL-6;

### Gene ID

[3569](#)

### mRNA Refseq

[NM\\_000600](#)

### Protein Refseq

[NP\\_000591](#)

### MIM

[147620](#)

### UniProt ID

P05231

### Chromosome Location

7p21-p15

### Pathway

ATF-2 transcription factor network, organism-specific biosystem; Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem;

### Function

cytokine activity; cytokine activity; growth factor activity; interleukin-6 receptor binding; contributes\_to interleukin-6 receptor binding; interleukin-6 receptor binding;