

# Product Information

## Recombinant Anti-Human ITGB2 Antibody Fab Fragment

Cat. No.: **MOM-18044-F(P)**

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

### Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment is bind to Human ITGB2, expressed in E. coli

### Antigen Description

Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2 and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin alpha-M/beta-2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin alpha-M/beta-2 is also a receptor for factor X. Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1.

### Specific Activity

Tested positive against native antigen.

### Target

ITGB2

### Immunogen

The details of the immunogen for this antibody are not available.

### Source

Humanized (from mouse)

### Species Reactivity

Human

### Type

Fab Fragment based on Humanized (from mouse) IgG4

### Expression Host

E. coli

### Predicted N terminal

H chain: QVQLVQS; L Chain: DIQMTQS

### Purity

>95.0%, determined by analysis by RP-HPLC & 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.

## BACKGROUND

### Keywords

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## ANTIGEN GENE INFORMATION

### Gene Name

[ITGB2 integrin, beta 2 \(complement component 3 receptor 3 and 4 subunit\) \[ Homo sapiens \]](#)

### Official Symbol

ITGB2

### Synonyms

ITGB2; integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); CD18, integrin, beta 2 (antigen CD18 (p95), lymphocyte function associated antigen 1; macrophage antigen 1 (mac 1) beta subunit) , MF17; integrin beta-2; LFA 1; MAC 1; integrin beta chain, beta 2; complement receptor C3 beta-subunit; complement receptor C3 subunit beta; leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta; cell surface adhesion glycoprotein LFA-1/CR3/P150,959 beta subunit precursor; LAD; CD18; MF17; MF17; LCAMB; LFA-1; MAC-1;

### Gene ID

[3689](#)

### mRNA Refseq

[NM\\_000211](#)

### Protein Refseq

[NP\\_000202](#)

### MIM

[600065](#)

### UniProt ID

P05107

### Chromosome Location

21q22.3

### Pathway

Adaptive Immune System, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem;

### Function

binding; glycoprotein binding; protein kinase binding; receptor activity;