

# Product Information

## Recombinant Anti-Human ITGB3 Antibody Fab Fragment

Cat. No.: **MOM-18109-F(E)**

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

### Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment specifically binds to Human Integrin Ipha 2b beta 3, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

The integrins are a family of more than 23 heterodimeric transmembrane proteins that mediate cell-cell adhesions as well as cell-substratum adhesions and signal transduction processes. Integrins are heterodimers consisting of noncovalently associated alpha and beta subunits. CD61 non-covalently associates with CD41 (alpha IIb integrin) and is expressed by megakaryocytes and platelets. The CD61/CD41 complex acts as a receptor for such adhesive ligands as fibronectin, fibrinogen and von Willebrand factor during platelet stimulation.

### Specific Activity

Tested positive against native antigen.

### Target

Integrin Ipha 2b beta 3

### 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) Fab - G1 - kappa

### Expression Host

CHO

### Predicted N terminal

H chain: QVQLVQS; L Chain: DIQMTQT

### Purity

>95.0% as 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

Store at 4°C for up to 3 months. For longer term storage aliquot into small volumes and store at -20°C.

## ANTIGEN GENE INFORMATION

### Gene Name

[ITGB3 integrin, beta 3 \(platelet glycoprotein IIIa, antigen CD61\) \[ Homo sapiens \]](#)

### Official Symbol

ITGB3

### Synonyms

ITGB3; integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61); GP3A; integrin beta-3; CD61; GPIIIa; platelet glycoprotein IIIa; platelet membrane glycoprotein IIIa; GT; BDPLT2;

### Gene ID

[3690](#)

### mRNA Refseq

[NM\\_000212](#)

### Protein Refseq

[NP\\_000203](#)

### UniProt ID

P05106

### Chromosome Location

17q21.32

### Pathway

Arf6 signaling events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem;

### Function

cell adhesion molecule binding; identical protein binding; integrin binding; platelet-derived growth factor receptor binding; protein binding; protein disulfide isomerase activity; receptor activity; vascular endothelial growth factor receptor 2 binding; vascular endothelial growth factor receptor 2 binding;