

Product Information

Recombinant Anti-Human ITGB3 Antibody Fab Fragment

Cat. No.: **MOM-18109-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 specific to Human Integrin Ipha 2b beta 3, expressed in E. coli

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

E. coli

Predicted N terminal

H chain: QVQLVQS; L Chain: DIQMTQT

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

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

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;