SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Recombinant Anti-Human ITGB3 Antibody

Cat. No.: **MOM-18109**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody binds selectively 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

Humanized (from mouse) Fab - G1 - kappa

Expression Host

CHO

Predicted N terminal

H chain: QVQLVQS; L Chain: DIQMTQT

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

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

Storage

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

ANTIGEN GENE INFOMATION

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;

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