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Product Information

Recombinant Anti-Human ITGA2 Antibody Fab Fragment

Cat. No.: **MOM-18251-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized Antibody Fab Fragment is bind to Human ITGA2, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix.

Specific Activity

Tested positive against native antigen.

Target

ITGA2

Immunogen

Whole human keratinocytes.

Source

Humanized

Species Reactivity

Human

Type

Fab Fragment based on Humanized IgG4 - kappa

Expression Host

CHO

Predicted N terminal

H chain: QVQLQES; L Chain: DIVMTQS

Purity

>95.0% as determined by 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.

ANTIGEN GENE INFOMATION

Gene Name

ITGA2 integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) [Homo sapiens]

Official Symbol

ITGA2

Synonyms

ITGA2; integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); CD49B; integrin alpha-2; CD49b; integrin alpha 2; collagen receptor; VLA-2 subunit alpha; platelet antigen Br; platelet glycoprotein Ia; platelet glycoprotein GPIa; CD49 antigen-like family member B; platelet membrane glycoprotein Ia; very late activation protein 2 receptor, alpha-2 subunit; BR; GPIa; VLA-2; VLAA2; BDPLT9;

Gene ID

3673

mRNA Refseq

NM_002203

Protein Refseq

NP_002194

MIM

192974

UniProt ID

P17301

Chromosome Location

5q11.2

Pathway

Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; CHL1 interactions, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem;

Function

collagen binding; protein binding; receptor activity;

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