

Product Information

Recombinant Anti-Human ITGAV Antibody Fab Fragment

Cat. No.: **MOM-18076-F(E)**

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

Product Overview

Recombinant Human Antibody Fab Fragment binds selectively to Human CD51, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

The alpha-V integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Specific Activity

Tested positive against native antigen.

Target

CD51

Source

Human

Species Reactivity

Human

Type

Fab Fragment based on Human IgG1 - kappa

Expression Host

CHO

Predicted N terminal

H Chain: QVQLVES; L Chain: EIVLTQS

Purity

>95.0% as determined by analysis by RP-HPLC.

Applications

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

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[ITGAV integrin, alpha V \[Homo sapiens \]](#)

Official Symbol

ITGAV

Synonyms

ITGAV; integrin, alpha V; antigen identified by monoclonal L230 , integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) , MSK8, vitronectin receptor , VNRA, VTNR; integrin alpha-V; CD51; integrin alphaVbeta3; vitronectin receptor subunit alpha; antigen identified by monoclonal L230; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); MSK8; VNRA; VTNR; DKFZp686A08142;

Gene ID

[3685](#)

mRNA Refseq

[NM_001144999](#)

Protein Refseq

[NP_001138471](#)

MIM

[193210](#)

UniProt ID

P06756

Chromosome Location

2q31-q32

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;

Function

contributes_to insulin-like growth factor I binding; contributes_to opsonin binding; protein binding; protein kinase C alpha binding; contributes_to protein kinase C binding; receptor activity; transforming growth factor beta binding;