

Product Information

Recombinant Anti-Human itgb5 Antibody scFv Fragment

Cat. No.: **MOM-18412-S(P)**

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

Product Overview

Recombinant Mouse Antibody scFv Fragment is directed against Human ITGB5, expressed in E. coli

Antigen Description

This protein belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha V chain. Alpha chain V undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.

Specific Activity

Tested positive against native antigen.

Target

ITGB5

Immunogen

Tissue / cell preparation (Human) - small cell lung carcinoma cells (UCLA P3).

Source

Mouse

Species Reactivity

Human

Type

scFv

Expression Host

E. coli

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut 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

[ITGB5 integrin, beta 5 \[Homo sapiens \]](#)

Official Symbol

ITGB5

Synonyms

ITGB5; integrin, beta 5; integrin beta-5; FLJ26658

Gene ID

[3693](#)

mRNA Refseq

[NM_002213](#)

Protein Refseq

[NP_002204](#)

MIM

[147561](#)

UniProt ID

P18084

Chromosome Location

3q21.2

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; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Cross-presentation of particulate exogenous antigens (phagosomes), organism-specific biosystem;

Function

protein binding; receptor activity;