

# Product Information

## Recombinant Anti-Human ITGA5 Antibody

Cat. No.: **MOM-18077**

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

### Product Overview

Recombinant Chimeric (mouse/human) Antibody is directed against Human Integrin alpha 5 beta 1, expressed in Chinese Hamster Ovary cells(CHO)

### 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

Integrin alpha 5 beta 1

### Immunogen

The details of the immunogen for this antibody are not available.

### Source

Chimeric (mouse/human)

### Species Reactivity

Human

### Type

Chimeric (mouse/human) IgG4

### Expression Host

CHO

### Predicted N terminal

H Chain: MAVLGLL; L Chain: MDFQVQV

### Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Applications

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

### Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

## ANTIGEN GENE INFORMATION

### Gene Name

[ITGA5 integrin, alpha 5 \(fibronectin receptor, alpha polypeptide\) \[ Homo sapiens \]](#)

### Official Symbol

ITGA5

### Synonyms

ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;

### Gene ID

[3678](#)

### mRNA Refseq

[NM\\_002205](#)

### Protein Refseq

[NP\\_002196](#)

### MIM

[135620](#)

### UniProt ID

P08648

### Chromosome Location

12q11-q13

### Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem;

### Function

integrin binding; platelet-derived growth factor receptor binding; protein binding; receptor activity; vascular endothelial growth factor receptor 2 binding;