

ITGA5 monoclonal antibody, clone IDB-9

Catalog # MAB20384

Size 100 uL

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human ITGA5.

Immunogen A synthetic peptide corresponding to human ITGA5.

Host Rabbit

Theoretical MW (kDa) 114.536

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Flow Cytometry (1:50)
- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Immunoprecipitation (1:50)
- Western Blot (1:1000-1:2000)

The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — ITGA5

Entrez GeneID [3678](#)

Protein Accession# [P08648](#)

Gene Name ITGA5

Gene Alias CD49e, FNRA, VLA5A

Gene Description integrin, alpha 5 (fibronectin receptor, alpha polypeptide)

Omim ID [135620](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene 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 5 chain. Alpha chain 5 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. [provided by RefSeq]

Other Designations fibronectin receptor, alpha subunit|integrin alpha 5|very late activation protein 5, alpha subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Tobacco Use Disorder](#)