

ITGAV monoclonal antibody, clone CCE-9

Catalog # MAB20387

Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ITGAV.
Immunogen	A synthetic peptide corresponding to human ITGAV.
Host	Rabbit
Theoretical MW (kDa)	116.038
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:20) 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
- Flow Cytometry

Gene Info — ITGAV

Entrez GeneID [3685](#)

Protein Accession# [P06756](#)

Gene Name ITGAV

Gene Alias CD51, DKFZp686A08142, MSK8, VNRA

Gene Description integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)

Omim ID [193210](#)

Gene Ontology [Hyperlink](#)

Gene Summary

ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; 'ITGB1', 'ITGB3', 'ITGB5', 'ITGB6', and 'ITGB8'), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

Integrin, alpha-V (vitronectin receptor, alpha polypeptide)|antigen identified by monoclonal antibody L230|integrin alpha-V

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)

Disease

- [Anemia](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Ovarian Neoplasms](#)
- [Priapism](#)
- [Thalassemia](#)
- [Tobacco Use Disorder](#)