

ITGAV monoclonal antibody, clone 13C2

Catalog # MAB6229

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native ITGAV.
Immunogen	Native purified from human osteoclastoma tissue.
Host	Mouse
Reactivity	Human
Specificity	human CD51.
Form	Liquid
Isotype	IgG1
Recommend Usage	Flow Cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

Gene Info — ITGAV

Entrez GeneID	3685
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

Publication Reference

- [Adaptation to replating of dendritic cells synergizes with Toll-like receptor stimuli and enhances the pro-inflammatory cytokine profile.](#)

Kolanowski ST, van Schijndel GM, van Ham SM, Ten Brinke A.
Cytotherapy 2016 Jul; 18(7):902.

Application: Incubated, Recombinant protein

- [Platelet integrins.](#)

Ginsberg MH, Xiaoping D, O'Toole TE, Loftus JC, Plow EF.
Thromb Haemost 1993 Jul; 70(1):87.

- [Platelet membrane glycoproteins: functions in cellular interactions.](#)

Kieffer N, Phillips DR.
Annual Review of Cell Biology 1990 Nov; 6:329.

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](#)
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- [Thalassemia](#)
- [Tobacco Use Disorder](#)