ITGB1 monoclonal antibody, clone VJ1/14

Catalog # MAB4976 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against ITGB1.
Immunogen	Human integrin beta 1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b
Recommend Usage	Flow Cytometry (20 uL/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 1% BSA, pH 7.2 (0.09% sodium azide).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

Gene Info — ITGB1

Entrez GeneID	3688

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Gene Name	ITGB1
Gene Alias	CD29, FNRB, GPIIA, MDF2, MSK12, VLA-BETA, VLAB
Gene Description	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
Omim ID	135630
Gene Ontology	Hyperlink
Gene Summary	Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptor s involved in cell adhesion and recognition in a variety of processes including embryogenesis, he mostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene enco des a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000019420|OTTHUMP00000046253|OTTHUMP00000063731|OTTHUMP000000 63732|OTTHUMP00000063733|fibronectin receptor beta subunit|integrin VLA-4 beta subunit|inte grin beta 1

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Axon guidance
- Cell adhesion molecules (CAMs)
- ECM-receptor interaction
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Leukocyte transendothelial migration
- Pathogenic Escherichia coli infection - EHEC
- Pathways in cancer
- Regulation of actin cytoskeleton
- Small cell lung cancer

Disease

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- Alzheimer Disease
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Chylothorax
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Inflammation
- Myocardial Infarction
- Ovarian Neoplasms
- Prostatic Neoplasms
- Recurrence
- Stroke

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