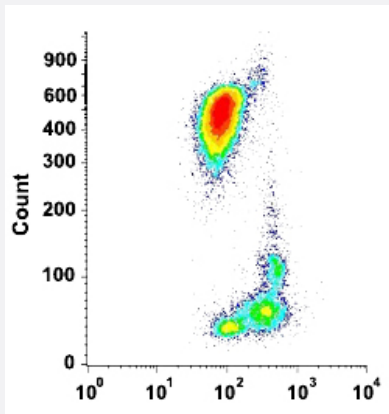


ITGB1 monoclonal antibody, clone VJ1/14 (Biotin)

Catalog # MAB13866 Size 100 ug

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with ITGB1 monoclonal antibody, clone VJ1/14 (Biotin) (Cat # MAB13866).

Specification

Product Description	Mouse monoclonal antibody raised against human ITGB1.
Immunogen	TNF activated HUVEC cells.
Host	Mouse
Theoretical MW (kDa)	130
Reactivity	Human
Form	Liquid
Conjugation	Biotin
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG2b

Recommend Usage	Flow Cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (protein stabilizer, 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 should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with ITGB1 monoclonal antibody, clone VJ1/14 (Biotin) (Cat # MAB13866).

Gene Info — ITGB1

Entrez GeneID	3688
Protein Accession#	P05556
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 receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hematopoiesis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes 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 OTTHUMP00000063732 OTTHUMP00000063733 fibronectin receptor beta subunit integrin VLA-4 beta subunit integrin 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

- [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](#)