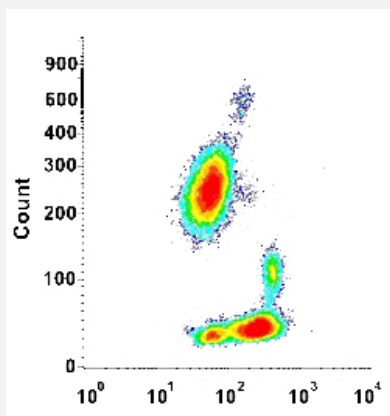


ITGB1 monoclonal antibody, clone VJ1/14 (PE)

Catalog # MAB13864

Size 5 x 100 reactions

Applications



Flow Cytometry

Flow cytometric analysis of human normal whole blood with ITGB1 monoclonal antibody, clone VJ1/14 (PE) (Cat # MAB13864).

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 PE

Purification Protein A/G purification

Purity >90%

Isotype IgG2b

Recommend Usage	Flow Cytometry (20 μ L/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 normal whole blood with ITGB1 monoclonal antibody, clone VJ1/14 (PE) (Cat # MAB13864).

Gene Info — ITGB1

Entrez GeneID	3688
Protein Accession#	P05556
Gene Name	ITGB1
Gene Alias	CD29, FNRRB, 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, hematostasis, 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](#)