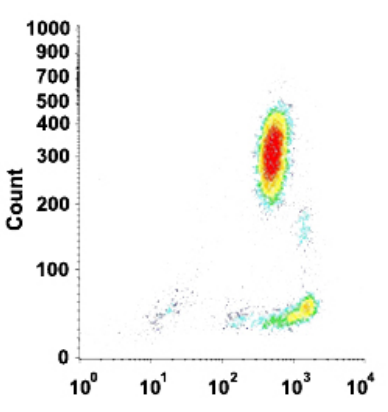
ITGB2 monoclonal antibody, clone GRF1 (PE)

Catalog # MAB13824 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of human normal whole blood with ITGB2 monoclonal antibody, clone GRF1 (PE) (Cat # MAB13824).

Specification

Product Description	Mouse monoclonal antibody raised against human ITGB2.
Immunogen	Human acute lymphoblastic leukemia (ALL) T cells.
Host	Mouse
Theoretical MW (kDa)	98
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG1

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Recommend Usage	Flow Cytometry (20 uL/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 shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometric analysis of human normal whole blood with ITGB2 monoclonal antibody, clone GRF1 (PE) (Cat # MAB13824).

Gene Info — ITGB2

Entrez GeneID	3689
Protein Accession#	P05107
Gene Name	ITGB2
Gene Alias	CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7
Gene Description	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)
Omim ID	116920 600065
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integri n beta chain beta 2. A given chain may combine with multiple partners resulting in different integri ns. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combine s with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhes ion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte ad hesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been ide ntified for this gene. [provided by RefSeq
Other Designations	CD18 subunit|OTTHUMP00000115278|OTTHUMP00000115279|OTTHUMP00000115281|OTT HUMP00000115282|beta 2 integrin subunit|cell surface adhesion glycoprotein LFA-1/CR3/P150, 959 beta subunit precursor)|complement receptor C3 beta-subunit|integrin beta 2|integrin bet

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Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Natural killer cell mediated cytotoxicity
- Regulation of actin cytoskeleton

Disease

- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Cardiovascular Diseases
- Cerebral Infarction
- Cerebrovascular Accident
- Constriction
- Coronary Disease
- Coronary Restenosis
- Diabetes Mellitus
- Diabetic Retinopathy
- Disease Progression
- Edema
- Enterocolitis

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- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Glomerulonephritis
- Hirschsprung Disease
- Hypercholesterolemia
- Infant
- Inflammation
- Intracranial Thrombosis
- Kidney Failure
- Leukemia
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Narcolepsy
- Obesity
- Parkinson disease
- Recurrence
- Renal Insufficiency
- Respiratory Syncytial Virus Infections
- Stroke
- Thyroid Neoplasms
- Werner syndrome

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