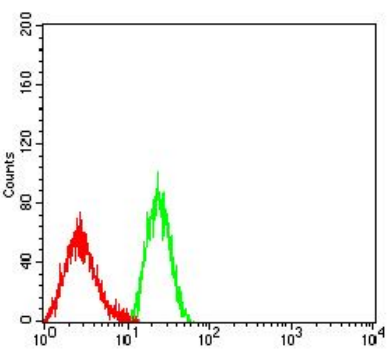
ITGB2 monoclonal antibody, clone 3D1B3

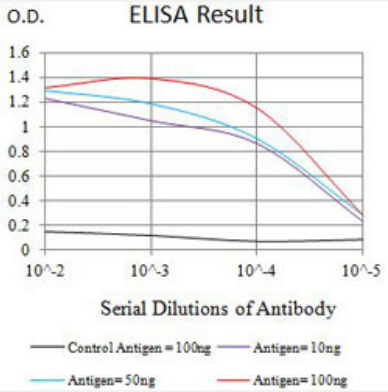
Catalog # MAB21395 Size 100 ug

Applications



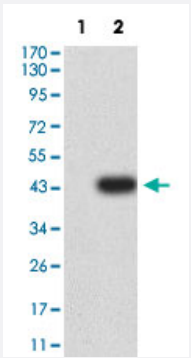
Flow Cytometry

Flow cytometric analysis of HL-60 cells with ITGB2 monoclonal antibody, clone 3D1B3 (Cat # MAB21395) (Green). Red: Negative Control.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ITGB2 monoclonal antibody, clone 3D1B3 (Cat # MAB21395).



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ITGB2-hIgGFc transfected HEK293 cell lysates with ITGB2 monoclonal antibody, clone 3D1B3 (Cat # MAB21395).

Specification

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Product Description	Mouse monoclonal antibody raised against partial recombinant human ITGB2.
Immunogen	Recombinant protein corresponding to amino acids 559-700 of human ITGB2.
Host	Mouse
Theoretical MW (kDa)	84.8
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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 HL-60 cells with ITGB2 monoclonal antibody, clone 3D1B3 (Cat # MAB21395) (Green). Red: Negative Control.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with ITGB2 monoclonal antibody, clone 3D1B3 (Cat # MAB21395).

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Gene Info — ITGB2

Entrez GeneID	3689
Protein Accession#	P05107

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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 integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq
Other Designations	CD18 subunit|OTTHUMP00000115278|OTTHUMP00000115279|OTTHUMP00000115281|OTTHUMP00000115282|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

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

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- Bronchiolitis
- Cardiovascular Diseases
- Cerebral Infarction
- Cerebrovascular Accident
- Constriction
- Coronary Disease
- Coronary Restenosis
- Diabetes Mellitus
- Diabetic Retinopathy
- Disease Progression
- Edema
- Enterocolitis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Glomerulonephritis
- Hirschsprung Disease
- Hypercholesterolemia
- Infant
- Inflammation
- Intracranial Thrombosis
- Kidney Failure
- Leukemia
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms

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- Meningioma
- Metabolic Syndrome X
- Narcolepsy
- Obesity
- Parkinson disease
- Recurrence
- Renal Insufficiency
- Respiratory Syncytial Virus Infections
- Stroke
- Thyroid Neoplasms
- Werner syndrome

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