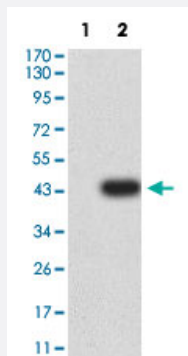


ITGB2 monoclonal antibody, clone 3D1B3

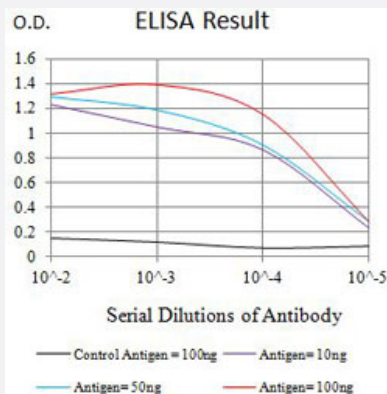
Catalog # MAB21395 Size 100 ug

Applications



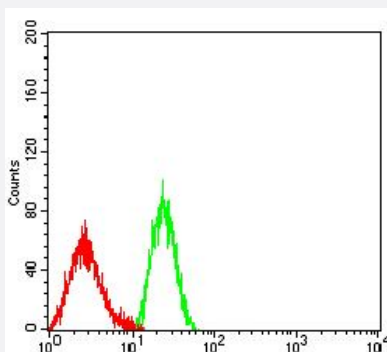
Western Blot (Transfected lysate)

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



Enzyme-linked Immunoabsorbent Assay

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



Flow Cytometry

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

Specification

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 should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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

- Enzyme-linked Immunoabsorbent Assay

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

- Flow Cytometry

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

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 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 combine 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](#)

- [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](#)

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