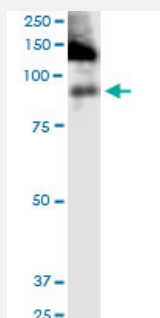


ITGB2 monoclonal antibody (M03), clone 3C7

Catalog # H00003689-M03

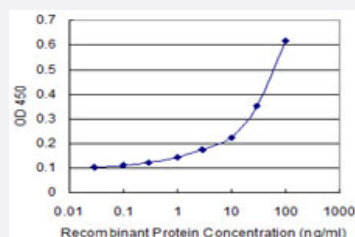
Size 100 ug

Applications



Western Blot (Cell lysate)

ITGB2 monoclonal antibody (M03), clone 3C7. Western Blot analysis of ITGB2 expression in HeLa.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGB2 is 1 ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ITGB2.

Immunogen

ITGB2 (AAH05861, 1 a.a. ~ 769 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MLGLRPPLLALVGLLSLGCALSQECTKFKVSSCRECIESGPGCTWCQKLNFTGPGDPDSIRCDT RPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLRPGQAAAFNVTFRRAKGYPIDL YYLMDLSYSMLDDLNRNVKKLGGDLLRALNEITESGRIGFGSFVDKTVLPFVNTHPKLRNPCPNKE KECQPPFAFRHVLKLTNNSNQFQTEVGKQLISGNLDAPEGGLDAMMQVAACPEEIGWRNVTRLL VFATDDGFHFAGDGKLGAILTPNDGRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSR MVKTYEKLTEIIPKSAVGELSESSNVVHLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTH RNQPRGDCDGVQINVPITFQVKVTATECIEQSFVIRALGFTDIVTVQVLPQCECRCRDQSRDRSL CHGKGFLECGICRCDTGYIGKNCECQTQGRSSQELEGSCRKDNNIICSGLGDCVCGQCLCHTS DVPGLIYGQYCECDTINCERYNGQVCGGPGRGLCFGCKRCHPGFEFSACQCERTTEGCLNP RRVECSGRGRCRCNVCECHSGYQLPLCQECPCGCPSPCGKYISCAECLKFEKGPF GKNC SAAC PGLQLSNNPVKGR TCKERDSEGCWVAYTLEQQDGM DRYLIYDESREC VAGPNIAAVGGTVAGI VLIGILLLVWKALIHLSDLREYRRFEKEKLKSQWNNDNPLFKSATTVMNPKFAES
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Cell lysate)

ITGB2 monoclonal antibody (M03), clone 3C7. Western Blot analysis of ITGB2 expression in HeLa.

[Protocol Download](#)

● Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGB2 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

● ELISA

Gene Info — ITGB2

Entrez GeneID	3689
GeneBank Accession#	BC005861

Protein Accession#	AAH05861
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](#)
- [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](#)