10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ITGB2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ITGB2.
Catalog # AT2568a

Specification

ITGB2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P05107
Other Accession	BC005861
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**84791**

ITGB2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 3689

Other Names
Integrin beta-2, Cell surface adhesion glycoproteins LFA-1/CR3/p150, 95 subunit beta, Complement receptor C3 subunit beta, CD18, ITGB2, CD18, MFI7

Target/Specificity
ITGB2 (AAH05861, 600 a.a. ~ 699 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ITGB2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

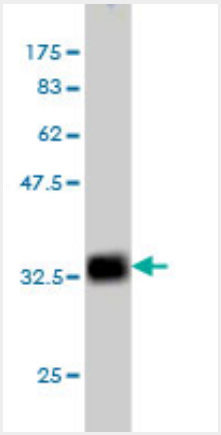
ITGB2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

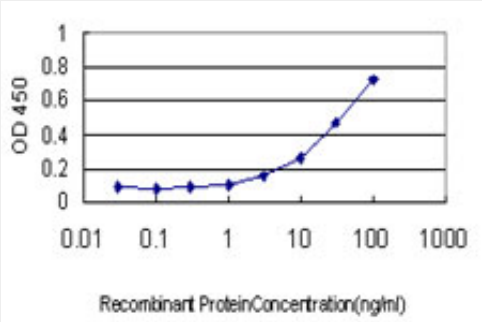
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ITGB2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Detection limit for recombinant GST tagged ITGB2 is approximately 0.3ng/ml as a capture antibody.

ITGB2 Antibody (monoclonal) (M01) - Background

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.

ITGB2 Antibody (monoclonal) (M01) - References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Urokinase receptor (uPAR) regulates complement receptor 3 (CR3)-mediated neutrophil

phagocytosis. Pliyev BK, et al. Biochem Biophys Res Commun, 2010 Jun 25. PMID 20580686.A novel point mutation in CD18 causing leukocyte adhesion deficiency in a Chinese patient. Li L, et al. Chin Med J (Engl), 2010 May. PMID 20529581.Mesenchymal stem cells inhibit human Th17 cell differentiation and function and induce a T regulatory cell phenotype. Ghannam S, et al. J Immunol, 2010 Jul 1. PMID 20511548.