

ITGB2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ITGB2.

Catalog # AT2568a

Product Information

| | |
|--------------------------|--------------------------|
| Application | WB, E |
| Primary Accession | P05107 |
| Other Accession | BC005861 |
| Reactivity | Human |
| Host | mouse |
| Clonality | monoclonal |
| Isotype | IgG1 Kappa |
| Clone Names | 5F12 |
| Calculated MW | 84791 |

Additional Information

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|---------------------------|--|
| 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 E~~N/A |
| 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. |

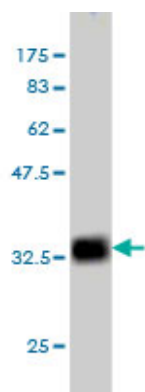
Background

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.

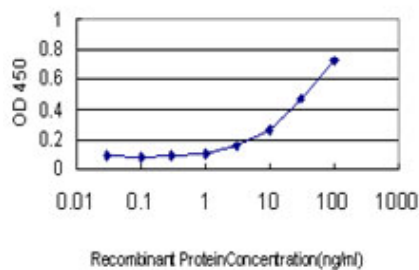
References

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 Thiazolidinedione-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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.