

ITGA4 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ITGA4.****Catalog # AT2564a****Specification**

ITGA4 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P13612
Other Accession	NM_000885
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	114900

ITGA4 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 3676**Other Names**

Integrin alpha-4, CD49 antigen-like family member D, Integrin alpha-IV, VLA-4 subunit alpha, CD49d, ITGA4, CD49D

Target/Specificity

ITGA4 (NP_000876, 98 a.a. ~ 207 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

ITGA4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

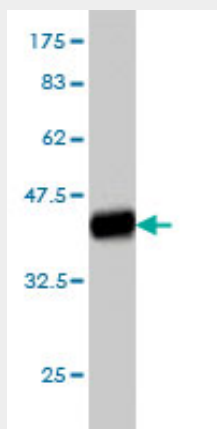
ITGA4 Antibody (monoclonal) (M01) - Protocols

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

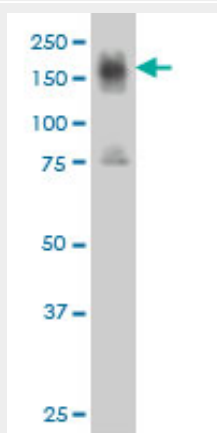
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

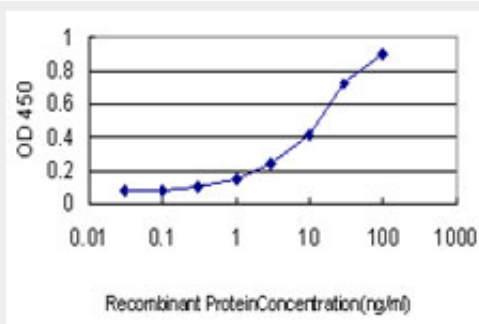
ITGA4 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 kDa) .



ITGA4 monoclonal antibody (M01), clone 2C11 Western Blot analysis of ITGA4 expression in Jurkat (Cat # AT2564a)



Detection limit for recombinant GST tagged ITGA4 is approximately 0.3ng/ml as a capture antibody.

ITGA4 Antibody (monoclonal) (M01) - Background

The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain.

ITGA4 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-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. Integrin alpha4beta1 signaling is required for lymphangiogenesis and tumor metastasis. Garmy-Susini B, et al. Cancer Res, 2010 Apr 15. PMID 20388801. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. TAp63 regulates VLA-4 expression and chronic lymphocytic leukemia cell migration to the bone marrow in a CD74-dependent manner. Binsky I, et al. J Immunol, 2010 May 1. PMID 20357260. Multiple common variants for celiac disease influencing immune gene expression. Dubois PC, et al. Nat Genet, 2010 Apr. PMID 20190752.