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

ITGB7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ITGB7.
Catalog # AT2571a

Specification

ITGB7 Antibody (monoclonal) (M01) - Product Information

Application	**IF**
Primary Accession	P26010
Other Accession	NM_000889
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**86903**

ITGB7 Antibody (monoclonal) (M01) - Additional Information

Gene ID 3695

Other Names
Integrin beta-7, Gut homing receptor beta subunit, ITGB7

Target/Specificity
ITGB7 (NP_000880, 401 a.a. ~ 505 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

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
ITGB7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

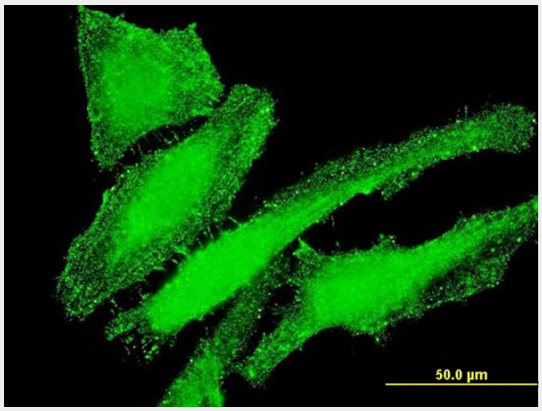
ITGB7 Antibody (monoclonal) (M01) - Protocols

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

ITGB7 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to ITGB7 on HeLa cell . [antibody concentration 10 ug/ml]

ITGB7 Antibody (monoclonal) (M01) - References

The integrin alpha4beta7 forms a complex with cell-surface CD4 and defines a T-cell subset that is highly susceptible to infection by HIV-1. Cicala C, et al. Proc Natl Acad Sci U S A, 2009 Dec 8. PMID 19933330.The regulation mechanism for the auto-inhibition of binding of human filamin A to integrin. Pentik?inen U, et al. J Mol Biol, 2009 Oct 30. PMID 19699211.Structural basis of the migfilin-filamin interaction and competition with integrin beta tails. Lad Y, et al. J Biol Chem, 2008 Dec 12. PMID 18829455.AhR- and c-maf-dependent induction of beta7-integrin expression in human macrophages in response to environmental polycyclic aromatic hydrocarbons. Monteiro P, et al. Biochem Biophys Res Commun, 2007 Jun 29. PMID 17490615.Alpha E beta 7 integrin interaction with E-cadherin promotes antitumor CTL activity by triggering lytic granule polarization and exocytosis. Le Floc'h A, et al. J Exp Med, 2007 Mar 19. PMID 17325197.