

Integrin beta 7 Antibody
Rabbit mAb
Catalog # AP93255**Specification****Integrin beta 7 Antibody - Product Information**

Application	WB
Primary Accession	P26010
Clonality	Monoclonal
Other Names	
Gut homing receptor beta subunit; Integrin beta 7 subunit; Integrin beta-P; Integrin, beta 7; ITB7; Itgb7; Ly69; M290 IEL antigen;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	86903 Da

Integrin beta 7 Antibody - Additional Information

Dilution	WB ~ 1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Integrin beta 7
Description	Integrin alpha-4/beta-7 (Peyer patches-specific homing receptor LPAM-1) is an adhesion molecule that mediates lymphocyte migration and homing to gut-associated lymphoid tissue (GALT).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Integrin beta 7 Antibody - Protein Information**Name** ITGB7**Function**

Integrin ITGA4/ITGB7 (alpha-4/beta-7) (Peyer patches-specific homing receptor LPAM-1) is an adhesion molecule that mediates lymphocyte migration and homing to gut-associated lymphoid tissue (GALT) (Probable). Integrin ITGA4/ITGB7 interacts with the cell surface adhesion molecules MADCAM1 which is normally expressed by the vascular endothelium of the gastrointestinal tract (PubMed: [10837471](http://www.uniprot.org/citations/10837471), PubMed: [14608374](http://www.uniprot.org/citations/14608374)). Also interacts with VCAM1 and fibronectin, an extracellular matrix component (Probable). It recognizes one or more domains within the alternatively spliced CS-1 region of fibronectin (Probable). Interactions involve the tripeptide L-D-T in MADCAM1, and L-D-V in fibronectin (Probable). Integrin ITGAE/ITGB7 (alpha-E/beta-7, HML-1) is a receptor for E-cadherin (PubMed: [10837471](#)).

href="http://www.uniprot.org/citations/10837471" target="_blank">10837471).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed in a variety of leukocyte lines.

Integrin beta 7 Antibody - 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](#)

Integrin beta 7 Antibody - Images