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

Anti-Integrin beta 7-AcalephFluor647-labled

Catalog # AP102016

Product Information

Application	FC, IF/IC
Primary Accession	P26010
Other Accession	P26011
Reactivity	Human, Mouse
Clonality	Monoclonal
Calculated MW	86903

Additional Information

Gene ID	3695
Other Names	Integrin beta-7; Gut homing receptor beta subunit
Target/Specificity	Recognizes human/mouse Integrin beta 7
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Rat IgG2a. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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, PubMed: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).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in a variety of leukocyte lines.

Background

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