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# Anti-Integrin beta 7-AcalephFluor568-labled

Catalog # AP102014

## Product Information

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

## Additional Information

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| **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

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|---|---|
| **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'.