

Datasheet for ABIN371133
anti-Integrin beta 7 antibody (Biotin)



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Overview

Quantity:	0.5 mg
Target:	Integrin beta 7 (ITGB7)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Integrin beta 7 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	AKR/Cum mouse spontaneous T lymphoma cell line TK1. (Ref. 1)
Clone:	DATK32
Isotype:	IgG2a
Specificity:	This antibody is specific to mouse LPAM1 (Integrin alpha 4 beta 7). It recognises a conformational epitope on the heterodimer.
Characteristics:	Synonyms: Integrin beta-P, M290 IEL antigen, ITGB7, LPAM-1, LPAM1, Lymphocyte Peyer PatchAdhesion Molecule

Target Details

Target:	Integrin beta 7 (ITGB7)
Alternative Name:	Integrin beta-7 (ITGB7 Products)

Target Details

Background:	The lymphocyte Peyer's patch adhesion molecule (LPAM-1), also known as Integrin alpha 4 beta 7 is a member of the integrin family of cell surface receptors. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. The alpha 4 beta 7 heterodimer mediates the binding of lymphocytes to its ligand, mucosal vascular addressin (MAdCAM1) on the high endothelial venules, thereby directing the homing of lymphocytes into Peyer's patches and intestinal lamina propria. (Ref.1-4) The Monoclonal antibody DATK32 has been shown to be useful for studies of the induction of homotypic cellular aggregation and the blockade of binding to cell adhesion molecules. (Ref.1)Synonyms: Adhesion Molecule, ITGB7, Integrin beta-P, LPAM-1, LPAM1, Lymphocyte Peyer Patch, M290 IEL antigen
Gene ID:	16421
UniProt:	P26011
Pathways:	Integrin Complex

Application Details

Application Notes:	Flow Cytometry: < / = 1 µg/10 ⁶ cells. (Ref.1-4) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.09 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or in (aliquots) at -20 °C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months