

Datasheet for ABIN371134
anti-Integrin beta 7 antibody



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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 un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func)

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 alpha-4/beta-7, Integrin alpha 4, Integrin beta 7, ITGA4, ITGB7, LPAM1, CD49d,VLA-4, Lymphocyte Peyer PatchAdhesion Molecule
Endotoxin Level:	Low Endotoxin

Target Details

Target:	Integrin beta 7 (ITGB7)
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Target Details

Alternative Name:	Integrin beta-7 (ITGB7 Products)
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)Synonyms: Adhesion Molecule, CD49d, ITGA4, ITGB7, Integrin alpha 4, Integrin alpha-4/beta-7, Integrin beta 7, LPAM1, Lymphocyte Peyer Patch, VLA-4
Gene ID:	16421
UniProt:	P26011
Pathways:	Integrin Complex

Application Details

Application Notes:	Flow Cytometry. (Ref.1-4)Immunohistochemistry on Frozen Sections. (Ref.3)Induction of homotypic cellular aggregation. Blockade of binding to cell adhesion molecules. 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 no preservatives.
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted in (aliquots) at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months