

Monoclonal Antibody to Integrin alpha 4 beta 7 - PE

Alternate names:	ITGB7, Integrin beta-P, LPAM-1, LPAM1, Lymphocyte Peyer Patch Adhesion Molecule, M290 IEL antigen
Catalog No.:	AM08074RP-N
Quantity:	0.2 mg
Concentration:	0.1 mg/ml
Background:	<p>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)</p> <p>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)</p>
Uniprot ID:	P26011
NCBI:	NP_038594
GeneID:	16421
Host / Isotype:	Rat / IgG2a
Clone:	DATK32
Immunogen:	AKR/Cum mouse spontaneous T lymphoma cell line TK1. (Ref.1)
Format:	<p>State: Liquid purified Ig fraction.</p> <p>Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent.</p> <p>Label: PE – R-Phycoerythrin</p>
Applications:	<p>Flow Cytometry: < / = 0.1 µg/10e6 cells. (Ref.1-4)</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody is specific to mouse LPAM1 (Integrin alpha 4 beta 7). It recognises a conformational epitope on the heterodimer.
Storage:	<p>Store the antibody undiluted at 2-8°C.</p> <p>DO NOT FREEZE!</p> <p>This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>

- General Readings:**
1. Andrew, D. P., C, Berlin, S. Honda, T. Yoshino, et al. 1994. J. Immunol. 153:3847.
 2. Andrew, D. P., L.S. Rott, P.J. Kilshaw, et al. 1996. Eur J. Immunol. 26:897.
 3. Hamann, A., et al. 1994. J. Immunol. 152:3282.
 4. Berlin, C., E.L. Berg, M.J. Briskin, et al. 1993. Cell 74:185.

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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