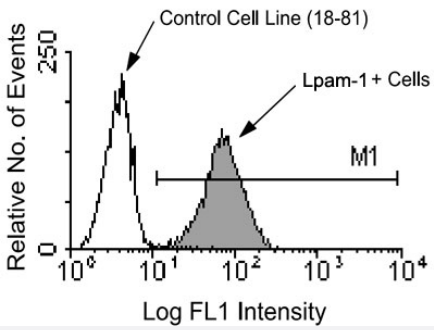
Lpam-1 monoclonal antibody, clone DATK32 (PE)

Catalog # MAB5797 Size 100 ug

Applications



Flow Cytometry

Either the TK-1 cell line (Lpam-1 expressing) or the 18-81 MuLV-transformed pre-B cell line (Lpam-1 negative) was labeled with Lpam-1 monoclonal antibody, clone DATK32 (Cat # MAB3252) and then stained with goat anti-rat IgG-FITC. The primary cell populations on each scatter plot were then gated and analyzed by flow cytometry.

Specification

Product Description	Rat monoclonal antibody raised against native Lpam-1.
Immunogen	Native purified Lpam-1 from AKR/Cum mouse spontaneous T lymphoma cell line TK1.
Host	Rat
Reactivity	Mouse
Specificity	Mouse LPAM-1 (Integrin alpha4beta7).
Form	Liquid
Conjugation	PE
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.1 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

  Either the TK-1 cell line (Lpam-1 expressing) or the 18-81 MuLV-transformed pre-B cell line (Lpam-1 negative) was labeled with Lpam-1 monoclonal antibody, clone DATK32 (Cat # MAB3252) and then stained with goat anti-rat IgG-FITC. The primary cell populations on each scatter plot were then gated and analyzed by flow cytometry.

Gene Info — Itga4

Entrez GeneID	16401
Gene Name	Itga4
Gene Alias	CD49D
Gene Description	integrin alpha 4
Gene Ontology	Hyperlink
Gene Summary	alpha 4 subunit
Other Designations	OTTMUSP00000014305|VLA-4 receptor, alpha 4 subunit

Gene Info — Itgb7

Entrez GeneID	16421
Gene Name	Itgb7
Gene Alias	Ly69
Gene Description	integrin beta 7
Gene Ontology	Hyperlink

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Other Designations	-

Publication Reference

- Distribution of alpha 4 beta 7 and alpha E beta 7 integrins on thymocytes, intestinal epithelial lymphocytes and peripheral lymphocytes.

  Andrew DP, Rott LS, Kilshaw PJ, Butcher EC.

  European Journal of Immunology 1996 Apr; 26(4):897.

  Application: Flow Cyt, Mouse, Spleen, PP, MLN, Peripheral lymph node cells, Thymocytes, Lymphocytes

- Distinct but overlapping epitopes are involved in alpha 4 beta 7-mediated adhesion to vascular cell adhesion molecule-1, mucosal addressin-1, fibronectin, and lymphocyte aggregation.

  Andrew DP, Berlin C, Honda S, Yoshino T, Hamann A, Holzmann B, Kilshaw PJ, Butcher EC.

  The Journal of Immunology 1994 Nov; 153(9):3847.

  Application: Flow Cyt, Mouse, Lymphocytes, Bone marrow cells

- Role of alpha 4-integrins in lymphocyte homing to mucosal tissues in vivo.

  Hamann A, Andrew DP, Jablonski-Westrich D, Holzmann B, Butcher EC.

  Journal of Immunology 1994 Apr; 152(7):3282.

  Application: Func, Mouse, Mouse lymphocytes

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