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30-2509: Anti-Mouse LPAM-1 Azide Free Antibody (Clone : DATK32)

Clonality :	Monoclonal
Clone Name :	DATK32
Application :	Functional Assay
Reactivity :	Mouse
Gene :	Itgb7
Gene ID :	16421
Format :	Azide Free
Alternative Name :	Integrin alpha 4 beta 7, CD49d / Ly69
Isotype :	Rat IgG2a kappa
Immunogen Information :	TK1 cells

Description

Integrin alpha 4 / beta 7 (CD49d / Ly69) , also known as LPAM-1 (Lymphocyte Peyer´s patch adhesion molecule 1), is a heterodimeric (150 kDa / 130 kDa) integrin complex which mediates lymphocyte homing to Peyer´s patch high endothelial venules and to the intestinal lamina propria. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. Ligands of LPAM-1 are MAdCAM-1, VCAM-1, and fibronectin, but the alpha 4 subunit (CD49d) can mediate also homotypic adhesion.
Specificity : The rat monoclonal antibody DATK32 recognizes an extracellular epitope of integrin alpha 4 (CD49d) and integrin beta7 (Ly69) components of mouse LPAM-1 complex, which is expressed on the majority of peripheral lymphocytes, as well as on subsets of thymocytes and bone marrow cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

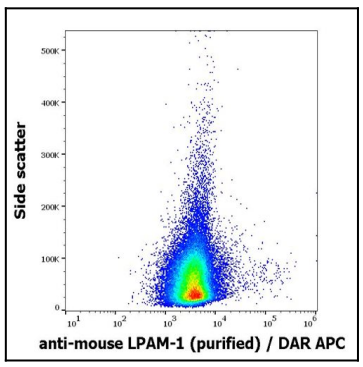

Figure 1 : Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse LPAM-1 (DATK32) purified antibody (concentration in sample 2 µg/ml) DAR APC.

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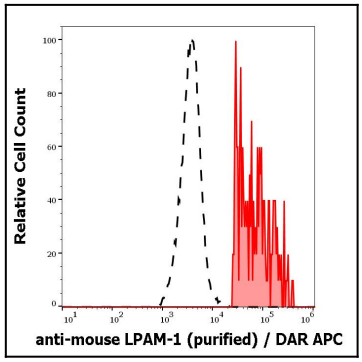

Figure 2 : Separation of murine LPAM-1 positive cells (red-filled) from LPAM-1 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-mouse LPAM-1 (DATK32) purified antibody (concentration in sample 2 µg/ml) DAR APC.