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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.

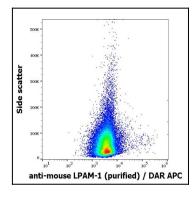


Figure 1 : Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse LPAM-1 (DATK32) purified antibody (concentration in sample 2 μ g/ml) DAR APC.



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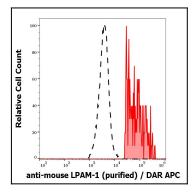


Figure 2 : Separation of murine LPAM-1 positive cells (red-filled) from LPAM-1 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-mouse LPAM-1 (DATK32) purified antibody (concentration in sample 2 μ g/ml) DAR APC.