

Datasheet for ABIN7013911

anti-ITGA4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	ITGA4
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	TK1 cells
Clone:	DATK32
Isotype:	IgG2a kappa
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.
Purification:	Purified by protein-G affinity chromatography.

Target Details

Target:	ITGA4
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Target Details

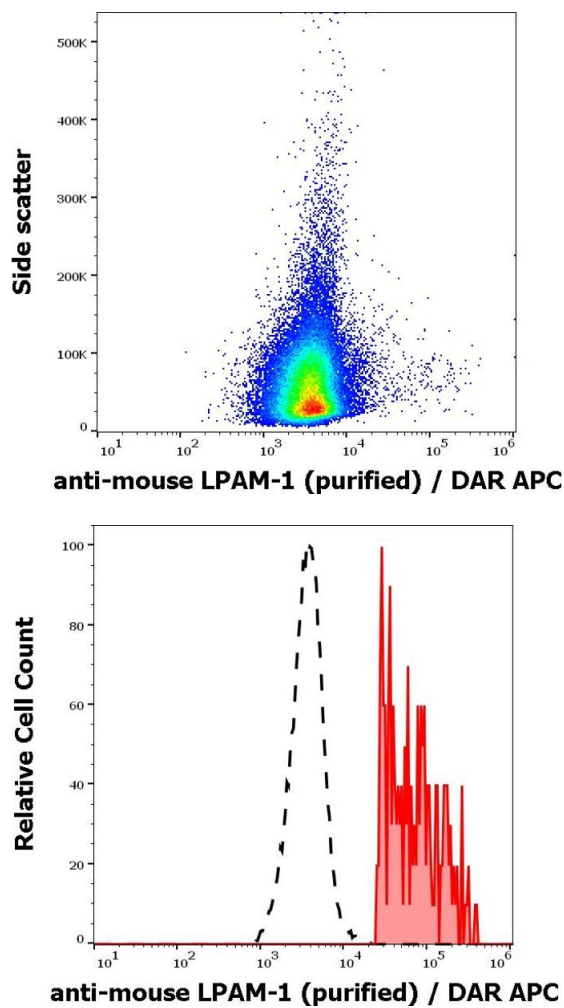
Alternative Name:	LPAM-1 (ITGA4 Products)
Background:	Integrin alpha 4 / beta 7 (CD49d / Ly69) , also known as LPAM-1 (Lmphocyte Peyer's patch adhesion molecule 1), is a heterodimeric (150 kDa / 130 kDa) integrin complex which mediates lymphocyte homing to Peyer's patch high endothelial venules and to 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.,Integrin alpha 4 beta 7, CD49d / Ly69
Pathways:	Integrin Complex

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 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.

Flow Cytometry

Image 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.