

Datasheet for ABIN7013953

anti-ITGA4 antibody

2 Images

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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:	murine T lymphoma line TK1
Clone:	R1-2
Isotype:	IgG2b kappa
Specificity:	The rat monoclonal antibody R1-2 recognizes an extracellular epitope of murine CD49d / Integrin alpha 4 (VLA-4 alpha), an approximately 150 kDa glycoprotein of the integrin family, expressed on multiple blood cell types.
Purification:	Purified by protein-G affinity chromatography.

Target Details

Target:	ITGA4
Alternative Name:	CD49d (ITGA4 Products)

Target Details

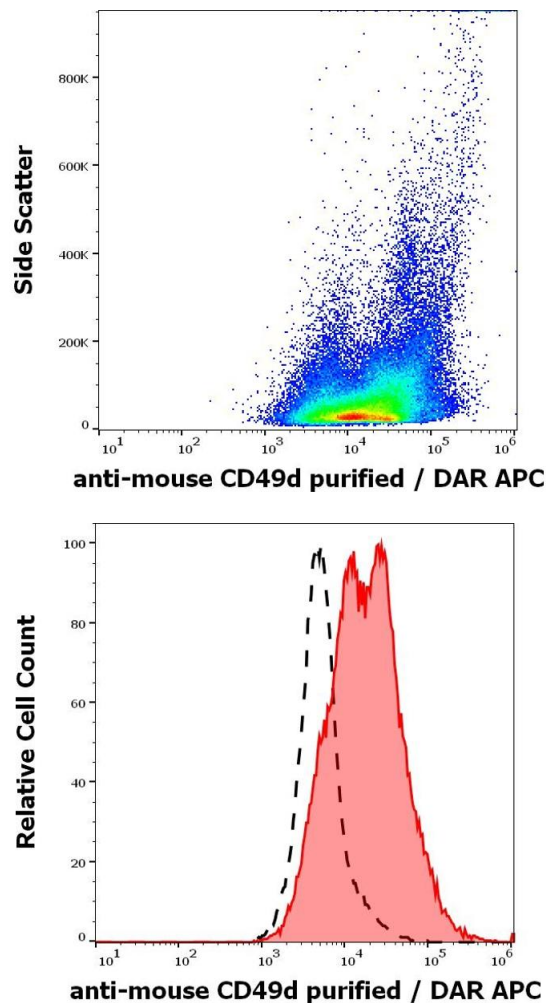
Background:	Integrin subunit alpha 4,CD49d (integrin alpha 4), also known as very late antigen 4 alpha (VLA-4 alpha) is a cell surface glycoprotein constituting integrin complexes. CD49d heterodimerizes with CD29 (integrin beta 1) to form VLA-4 antigen, which is involved in cell-cell and cell-extracellular matrix interactions, which is a receptor for CD106 (VCAM) and fibronectin. CD79d also heterodimerizes with integrin beta 7 to form LPAM-1, which binds to MAdCAM-1 (mucosal vascular addressin). These interactions are important for cell adhesion and activation.,Itga4, Vla-4 alpha
Gene ID:	16401
UniProt:	Q00651
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 peripheral blood cells stained using anti-mouse CD49d (R1-2) purified antibody (concentration in sample 5 μ g/mL, DAR APC).

Flow Cytometry

Image 2. Separation of cells stained using anti-mouse CD49d (R1-2) purified antibody (concentration in sample 5 μ g/mL, DAR APC, red-filled) from cells unstained by primary antibody (DAR APC, black-dashed) in flow cytometry analysis (surface staining) of murine peripheral blood cells.