Datasheet for ABIN7014004

anti-VCAM1 antibody (FITC)

2 Images

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Overview

Quantity:	100 µg
Target:	VCAM1
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This VCAM1 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Ms CD106 FITC
Immunogen:	Murine preadipose cell line PA6
Clone:	429 (MVCAM-A)
Isotype:	IgG2a kappa
Specificity:	The rat monoclonal antibody 429 (also known as MVCAM.A) recognizes an extracellular epitope of murine CD106, a 100-110 kDa type I membrane protein of the immunoglobulin superfamily, a crucial mediator of leukocyte adhesion, and a costimulation molecule.
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

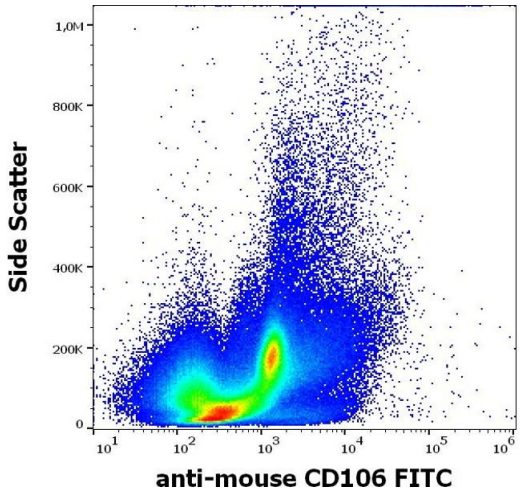
Target:	VCAM1
Alternative Name:	CD106 (VCAM1 Products)
Background:	Vascular cell adhesion molecule 1,CD106 / VCAM-1 (vascular cell adhesion molecule-1) is an Ig-like cell surface adhesion molecule binding VLA-4 integrin. VCAM-1 is a potent T cell costimulatory molecule taking part in their positive selection and survival, as well as in adhesion, transendothelial migration and activation of peripheral T cells. VCAM-1 is also involved in endothelial cell-cell contacts. Whereas VCAM-1 normally mediates leukocyte extravasion to sites of tissue inflammation, tumour cells can use overexpressed VCAM-1 to escape T cell immunity.,Vcam-1
Gene ID:	22329
UniProt:	Q3UPN1
Pathways:	Carbohydrate Homeostasis

Application Details

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

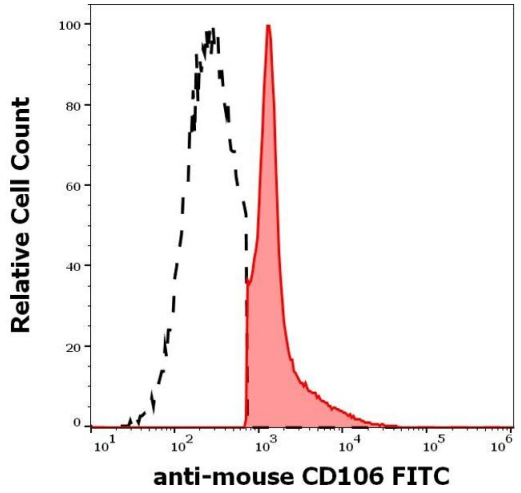
Handling

Concentration:	0.5 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. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of murine peripheral whole blood stained using anti-mouse CD106 (429 (MVCAM.A)) FITC antibody (concentration in sample 5 µg/mL).



Flow Cytometry

Image 2. Separation of murine CD106 positive cells (red-filled) from murine CD106 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine peripheral whole blood stained using anti-mouse CD106 (429 (MVCAM.A)) FITC antibody (concentration in sample 5 µg/mL).