

Datasheet for ABIN119958
anti-ITGA4 antibody (FITC)



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1 Image

Overview

Quantity:	0.1 mg
Target:	ITGA4
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Mouse LyD9 haematopoietic progenitor cells. Spleen cells from immunised Lewis rats were fused with cells of the mouse P3X63Ag8.653 myeloma cell line.
Clone:	9C10 (MFR-4-B)
Isotype:	IgG2a
Specificity:	This antibody recognises alpha 4 integrin (CD49d). Clone 9C10 (MFR4.B) is reported to significantly inhibit binding of CD49d to CD106 but only when used in combination with clone R1-2.
Purification:	Affinity chromatography on Protein G

Target Details

Target:	ITGA4
Alternative Name:	CD49d / ITGA4 (ITGA4 Products)

Target Details

Background:	CD49d is a 150kD glycoprotein that can associate with either beta 1 integrin (CD29) or beta 7 integrin to form heterodimers CD49d/CD29 (VLA-4) and alpha4/beta7 (LPAM-1) respectively. CD49d is expressed on most lymphocytes, granulocytes, monocytes and thymocytes. The primary ligands for CD49d are CD106 (VCAM-1), fibronectin and MAdCAM-1.Synonyms: CD49 antigen-like family member D, Integrin alpha-4, Integrin alpha-IV, VLA-4, VLA4
Gene ID:	16401
NCBI Accession:	NP_034706
UniProt:	Q00651
Pathways:	Integrin Complex

Application Details

Application Notes:	Flow Cytometry: Neat - 1/2, Use 10 µL of the suggested working dilution to label 10 ⁶ cells in 100 µL, The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, pH 7.4 containing 0.09 % Sodium Azide and 1 % Bovine Serum Albumin
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing. This antibody is photosensitive and should protected from light.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

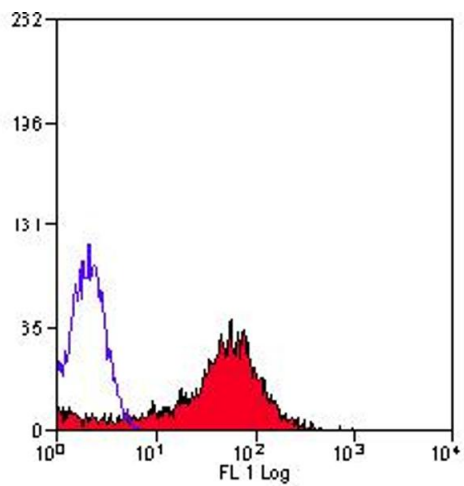


Image 1. Staining of mouse peripheral blood lymphocytes with RAT ANTI MOUSE CD49d: FITC (ABIN119958).