

Datasheet for ABIN7277996 **anti-ITGA4 antibody (APC)**



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Overview

Quantity:	100 tests
Target:	ITGA4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	9F10
Isotype:	IgG1 kappa
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	ITGA4
Alternative Name:	CD49d (ITGA4 Products)
Background:	The 9F10 monoclonal antibody reacts with human CD49d, a 150kD integral membrane protein that is also known as integrin alpha4 (ITGA4). Together with integrin beta1 (CD29), CD49d

Target Details

forms the VLA-4 heterodimer that serves as a receptor for fibronectin and VCAM-1. VLA-4 is widely expressed on lymphocytes, monocytes, thymocytes, and NK cells. CD49d can also dimerize with integrin beta7 to form a receptor that binds the mucosal vascular addressin molecule, MAdCAM-1. CD49d is involved in cellular adhesion to other cells as well as extracellular matrix.

Gene ID:	3676
UniProt:	P13612
Pathways:	Integrin Complex

Application Details

Application Notes:	This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µLper test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.
Comment:	5µl (0.25µg)/test
Restrictions:	For Research Use only

Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
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:	2-8°C protected from light
Expiry Date:	12 months