

Datasheet for ABIN7505937
anti-ITGA3 antibody (APC)[Go to Product page](#)

1 Image

Overview

Quantity:	100 tests
Target:	ITGA3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ITGA3 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD49c APC
Immunogen:	Human SSC-9 cell line (squamous cell carcinoma)
Clone:	ASC-1
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody ASC-1 recognizes an extracellular epitope of CD49c (integrin alpha 3), a transmembrane glycoprotein composed of disulfide linked 125 kDa and 30 kDa chains, and expressed on adherent cell lines and to a lesser extent on T and B cells and monocytes.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

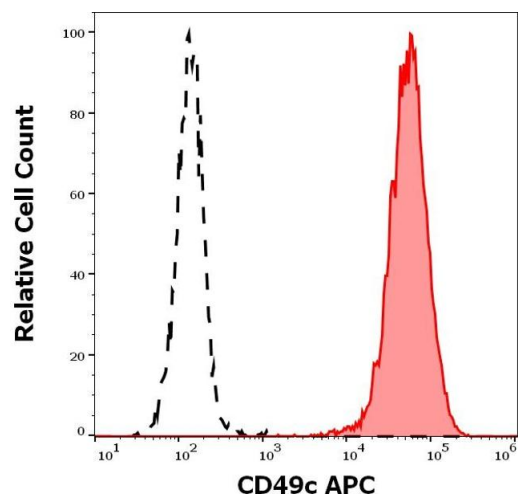
Target:	ITGA3
Alternative Name:	CD49c (ITGA3 Products)
Background:	Integrin subunit alpha 3,CD49c / Integrin alpha 3 is a type I transmembrane glycoprotein proteolytically cleaved into two disulfide linked chains. It noncovalently associates with CD29 (integrin beta 1) to form the VLA-3 complex, an adhesion receptor for extracellular matrix components (fibronectin, laminin 1, laminin 5, entactin, and collagen). It is expressed on adherent cells, mainly on fibroblasts, epithelial cells and endothelial cells.,ITGA3, VLA-3 alpha, FRP-2, FRP2, GAPB3
Gene ID:	3675
UniProt:	P26006
Pathways:	CXCR4-mediated Signaling Events , Integrin Complex

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

Handling

Buffer:	Stabilizing 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. Separation of HeLa cells stained using anti-human CD49c (ASC-1) APC antibody (10 μ L reagent per million cells in 100 μ L of cell suspension, red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 1.67 μ g/mL, same as CD49c APC concentration, black-dashed) in flow cytometry analysis (surface staining).