

Datasheet for ABIN2657812

anti-ITGA4 antibody (Alexa Fluor 647)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ITGA4
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to Alexa Fluor 647
Application:	Flow Cytometry (FACS)

Product Details

Clone:	R1-2
Isotype:	IgG2b kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

Target Details

Target:	ITGA4
Alternative Name:	CD49d (ITGA4 Products)
Background:	CD49d is a 150 kD glycoprotein, also known as $\alpha 4$ integrin or VLA-4 α chain. It is a member of the integrin family, expressed on T and B cells, monocytes, eosinophils, basophils, mast cells, thymocytes, NK cells, and dendritic cells. CD49d is a heterodimer expressed with either of two β chains, $\beta 1$ (CD29) or $\beta 7$, to form the VLA-4 (integrin $\alpha 4\beta 1$) or LPAM-1 (integrin $\alpha 4\beta 7$)

Target Details

complexes. CD49d plays a critical role in adhesion and T cell costimulation. The primary ligands for CD49d are VCAM-1, MAdCAM-1, and fibronectin.

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

Preservative: Sodium azide

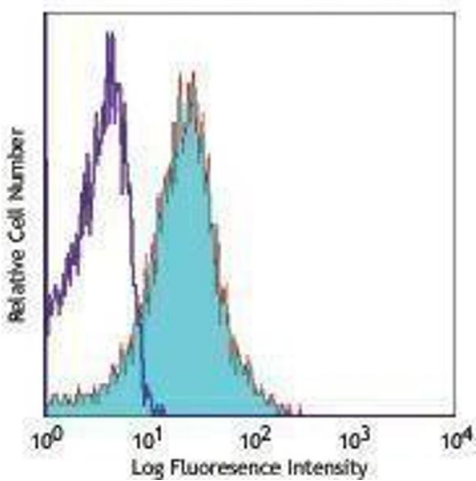
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C

Images



Flow Cytometry

Image 1.