

Datasheet for ABIN135077
anti-ITGA4 antibody (Biotin)



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1 Image

Overview

Quantity:	0.5 mg
Target:	ITGA4
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	P815 cells
Clone:	PS-2
Isotype:	IgG2b
Specificity:	Mouse/Human CD49d, Mr 150 kDa
Characteristics:	Rat Anti-Mouse CD49d-BIOT

Target Details

Target:	ITGA4
Alternative Name:	CD49d (ITGA4 Products)
Background:	CD49d, the 4 chain (100 kDa) of the VLA-4 integrin heterodimer (Mr 150 kDa) VLA-4 belongs to the 1-integrin family, which functions both as cell-matrix and cell-cell receptors.1-3 As a matrix

Target Details

receptor VLA-4 binds to an alternatively spliced domain of fibronectin, while as a cellular receptor it associates with its counter-receptor ligand VCAM-1. In addition to CD44/pgp-1, VLA-4 has been shown to be important for lymphopoiesis, and is also believed to be important for extravasation of lymphocytes into sites of inflammation as a second signal in addition to LFA/ICAM-1. CD49d/VLA-4 is expressed in low amounts on resting lymphocytes and monocytes, is absent or minimally detectable on stromal cells, whereas virtually all lymphoid and myeloid cells in bone marrow and in long-term culture are positive.

Pathways:

[Integrin Complex](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature , Adhesion - Reported in literature , Block - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 2 g/10⁶ cells PE conjugates 0.2 g/10⁶ cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Sample Volume:

1 mL

Restrictions:

For Research Use only

Handling

Concentration:

0.5 mg/mL

Buffer:

0.5 mg in 1.0 mL of PBS/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 conjugated products from light.

Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage:

4 °C

Storage Comment:

Store at 2-8°C

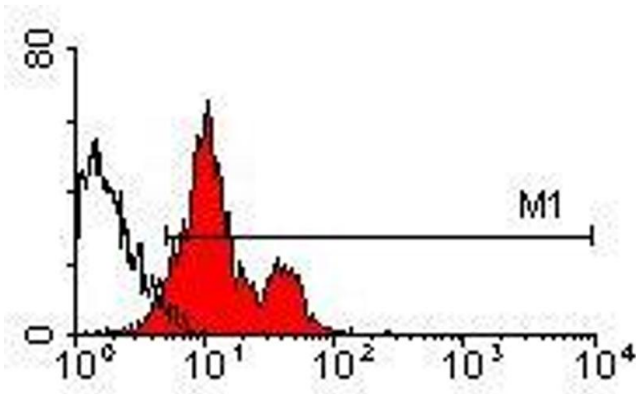


Image 1.