

Datasheet for ABIN2661757
anti-ITGA4 antibody (FITC)



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Overview

Quantity:	50 µg
Target:	ITGA4
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ITGA4 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Clone:	MRalpha4-1
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Target Details

Target:	ITGA4
Alternative Name:	CD49d (ITGA4 Products)
Background:	CD49d is a 150 kD glycoprotein, also known as integrin $\alpha 4$ or VLA-4 α chain. It is expressed as a heterodimer with either of two β chains, $\beta 1$ or $\beta 7$. The $\alpha 4\beta 1$ integrin (also known as VLA-4, CD49d/CD29) is expressed on peripheral T and B lymphocytes, thymocytes, and monocytes, while the $\alpha 4\beta 7$ integrin (also known as LPAM-1) is expressed on peripheral lymphocytes. The

Target Details

$\alpha 4\beta 1$ and $\alpha 4\beta 7$ integrins mediate cell-cell and cell-matrix interactions by interacting with the ligands CD106 (VCAM-1), MAdCAM-1, and fibronectin. Soluble MR α 4-1 antibody can partially inhibit in vitro binding of VCAM-1 and mast cells to fibronectin and inhibit mast cell degranulation. Immobilized MR α 4-1 antibody can enhance mast cell degranulation in vitro.

Pathways: [Integrin Complex](#)

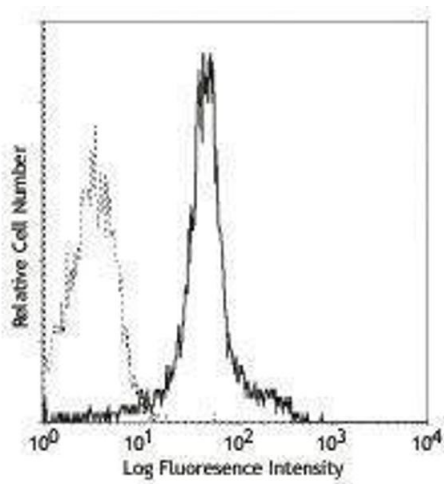
Application Details

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.