

Integrin alpha 4 antibody [9F10] (APC)

Cat. No. GTX01494-07

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human

References (1)
 Package
 100 test

PRODUCT

Summary

The 9F10 monoclonal antibody reacts with human CD49d, a 150kD integral membrane protein that is also known as integrin α 4 (ITGA4). Together with integrin β 1 (CD29), CD49d 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 β 7 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.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM	0.25 μ g (5 μ l) for 10^5 - 10^8 cells in 100 μ l sample per test
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Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.05 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Allophycocyanin (APC) Wavelength

Note

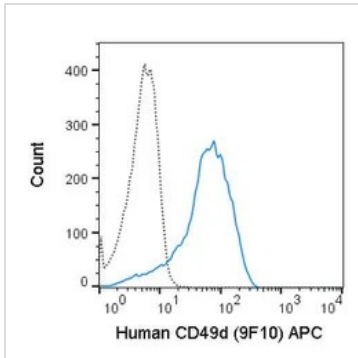
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DATA IMAGES

**GTX01494-07 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01494-07 Integrin alpha 4 antibody [9F10] (APC).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25 µg (5 µl)



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