

Product datasheet for **SM1125P**

CD49b (ITGA2) Mouse Monoclonal Antibody [Clone ID: AK7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AK7
Applications:	FC
Recommended Dilution:	Flow cytometry: 1/50 - 1/100; use 10 µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen sections: 1/500 - 1/1000. Recommended positive control tissue: Tonsil.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Spleen cells from immunised mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognises the integrin alpha2 subunit, which is a 160kD glycoprotein that non-covalently associates with the 130kD integrin beta1 subunit to form the VLA-2 complex. CD49b is expressed by platelets, long term cultivated T cells, endothelial cells, monocytes and most adherent cell lines. Cross reacts with Cynomolgus monkey (3), Baboon and Rhesus monkey.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha 2



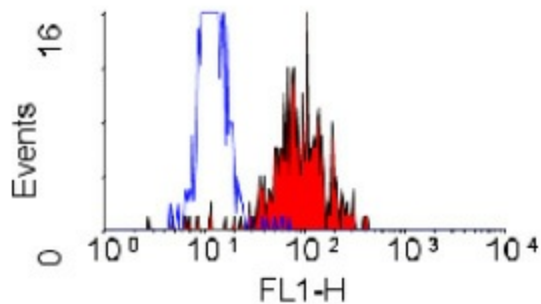
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Database Link: [Entrez Gene 3673 Human P17301](#)

Background: CD49b is a 160kD glycoprotein that non-covalently associates with the 130kD integrin beta 1 subunit to form the VLA-2 complex. CD49b is expressed by platelets, long term cultivated T cells, approximately 50% of monocytes and most adherent cell lines. MCA743 inhibits cell attachment to collagen.

Synonyms: Integrin alpha-2, ITGA-2, VLA-2 alpha, VLA2, GPIa, Collagen Receptor

Product images:



Staining of human peripheral blood monocytes with MOUSE ANTI HUMAN CD49b.