

Product datasheet for **SM1129PS**

Integrin alpha 4 (ITGA4) Mouse Monoclonal Antibody [Clone ID: 44H6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	44H6
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/40 diluted antibody to label 100 µl of human whole peripheral blood. Immunohistochemistry on Frozen Sections (1/50-1/100) (Overnight incubation recommended). Recommended Positive Control Tissue: Human Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HOON pre-B leukaemia cell line. Spleen cells from immunised BALB/c mice were fused with cells of the SP2.0-Ag14 mouse myeloma cell line.
Specificity:	This antibody recognises CD49d, also known as Integrin alpha 4, which associates with either CD29 (integrin beta 1) or integrin beta 7. 44H6 induces homotypic aggregation.
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Ion Exchange Chromatography.
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 4
Database Link:	Entrez Gene 3676 Human P13612



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Background: CD49d is a 150kD molecule, which may be cleaved to 80kD and 70kD fragments. It is expressed by lymphocytes, monocytes, eosinophils and thymocytes. VLA-4 mediates cell adhesion to VCAM-1 and fibronectin.

Synonyms: Integrin alpha-4, Integrin alpha-IV, VLA-4, VLA4