

Product datasheet for **BM2458F**

Integrin alpha 4 (ITGA4) Mouse Monoclonal Antibody [Clone ID: BU49]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BU49
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 1x10e6 cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hyatt myeloma cell line.
Specificity:	This antibody recognizes CD49d, also known as integrin alpha 4.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: FITC State: Liquid purified IgG fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. 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 transmembrane glycoprotein, which may be cleaved to form 70kD and 80kD fragments. CD49d is expressed on a broad range of cells including lymphocytes, monocytes, eosinophils and thymocytes. The CD49d molecule forms heterodimers with either integrin Beta 1 (to form VLA-4) or beta 7 (to form alpha4 beta7), which mediate cell adhesion to VCAM-1 and fibronectin.

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