

Product datasheet for **SM1178FT**

VCAM1 Mouse Monoclonal Antibody [Clone ID: 1.G11B1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1.G11B1
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10e6 cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises Human VCAM-1, a 110 kD molecule whose ligand is VLA-4. This antibody clone 1.G11B1 inhibits cellular adhesion mediated by VCAM-1 (Patel 1998). The antigen is expressed on activated endothelial cells and some tissue macrophages, bone marrow fibroblasts and myoblasts.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 0.1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1 Absorption emission: 490 nm (Max) / 525 nm (Max)
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:	vascular cell adhesion molecule 1
Database Link:	Entrez Gene 7412 Human P19320



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Background:

VCAM1 is important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the integrins alpha4 beta1 (beta 1 integrin VLA4) and alpha4 beta7 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. VCAM1 is also expressed by several non endothelial cell types including some macrophages, follicular dendritic cells and bone marrow, stromal cells.

Synonyms:

V-CAM 1, INCAM-100, L1CAM, VCAM-1