

Product datasheet for **SM1808A**

MADCAM1 Mouse Monoclonal Antibody [Clone ID: CA102.2C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CA102.2C1
Applications:	ELISA, FN, WB
Recommended Dilution:	ELISA. Western blotting. Functional assay.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bacterially expressed human MAdCAM-1.
Specificity:	This antibody recognises MAdCAM-1 (mucosal addressin cell adhesion molecule -1), a 40kD protein expressed by vascular endothelium. Clone CA102.2C1 has been reported to block the binding of human cells expressing alpha4 Beta7 to immobilized MAdCAM-1 <i>in vitro</i> .
Formulation:	PBS State: Azide Free State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mucosal vascular addressin cell adhesion molecule 1
Database Link:	Entrez Gene 8174 Human Q13477



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- Background:** MAdCAM1 is an endothelial cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM1 (alpha4 beta7), L selectin, and VLA4 (alpha4 beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin family and is similar to ICAM1 and VCAM1. At least seven alternatively spliced transcripts encoding different protein isoforms have been found for this gene, but the full length nature of some variants has not been determined.
- Synonyms:** hMAdCAM-1, MAdCAM-1, Mucosal addressin cell adhesion molecule 1