

Product datasheet for **SM2237LE**

MADCAM1 Mouse Monoclonal Antibody [Clone ID: 314G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	314G8
Applications:	ELISA, FC, FN, IHC, WB
Recommended Dilution:	ELISA. Western Blot: This antibody detects a band of approximately 60kDa. Clone 314G8 recognizes Human MAdCAM-1 under non-reducing conditions. Functional Assays. Flow Cytometry: Use 10 µl of 1/10-1/100 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Paraffin Embedded Sections: This product does not require protein digestion pre-treatment of paraffin embedded sections prior to staining. It does not require antigen retrieval prior to staining of paraffin sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant soluble MAdCAM-1-fc fusion protein. Spleen cells from immunised Balb/c mice were fused with cells of the mouse P3X63Ag8.653 myeloma cell line.
Specificity:	This antibody recognises Human mucosal addressin cell adhesion molecule 1 (MAdCAM-1). Clone 314G8 does not recognise MAdCAM-1 in the gut lamina propria. Clone 314G8 reacts with the ligand-binding first Ig domain and reports suggest that a splice variant exists in the gut which is not recognised by clone 314G8. Clone 314G8 is reported to block the interaction of MAdCAM-1 with alpha 4 beta 7.
Formulation:	PBS, pH 7.4 without preservatives or stabilizers State: Low Endotoxin State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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Storage:	Upon receipt, store undiluted (in aliquots) 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
Background:	MAdCAM-1 is a 60kD cell surface protein that is involved in lymphocyte trafficking. MAdCAM-1 is expressed on high endothelial venules of Peyer's patches and mesenteric lymph nodes. MAdCAM-1 expression has also been reported in the gut lamina propria.
Synonyms:	hMAdCAM-1, MAdCAM-1, Mucosal addressin cell adhesion molecule 1