

## Product datasheet for **SM2237B**

### **MADCAM1 Mouse Monoclonal Antibody [Clone ID: 314G8]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	314G8
<b>Applications:</b>	ELISA, FC
<b>Recommended Dilution:</b>	Flow Cytometry: (Neat-1/10): Use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. ELISA: 1-10 µg/ml.
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	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.
<b>Specificity:</b>	This antibody recognises 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. We recommend the use of SM2237LE for this purpose.
<b>Formulation:</b>	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin. Label: Biotin State: Liquid purified IgG fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Chromatography on Protein G.
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	mucosal vascular addressin cell adhesion molecule 1



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**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