

Product datasheet for **SM2237PT**

MADCAM1 Mouse Monoclonal Antibody [Clone ID: 314G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	314G8
Applications:	ELISA, IHC
Recommended Dilution:	ELISA. Immunohistochemistry on Frozen sections: 1/25-1/1000.
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 Mucosal Addressin Cell Adhesion Molecule 1 (MAdCAM-1). MAdCAM-1 expression has also been reported in the gut lamina propria but Clone 314G8 does not recognise MAdCAM-1 in these tissues. 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.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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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