OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SM2237PS

MADCAM1 Mouse Monoclonal Antibody [Clone ID: 314G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	314G8
Applications:	ELISA, FC, FN, IHC, WB
Recommended Dilution:	**Immunohistochemistry on frozen sections**: The typical starting working dilution is 1:50. **Immunohistochemistry on paraffin sections**: The typical starting working dilution is 1:50. **Flow cytometry**: The typical starting working dilution is 1:50. **Functional assays**. **Immunoassays**. **Western blot**: The typical starting working dilution is 1:50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The monocolonal antibody 314G8 reacts with human mucosal addressin cell adhesion molecules-1 (MAdCAM-1), a key player in mediating the infiltration of leukocytes into chronically inflamed tissue.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
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: MAdCAM-1 is a cell-surface Ig superfamily member composed of two extracellular Ig domains, followed by a mucin-like domain, a transmembrane domain and a short cytoplasmatic domain. It interacts via its N-terminal Ig domain with the lymphocyte homing receptor alpha4beta7, which plays a critical role in forming the gut-associated lymphoid system. MAdCAM-1 promotes the adhesion of T- and B cells, monocytes/macrophages, and potentially eosinophils, basophils, and differentiated mast cells to the vascular endothelium. Mucosal addressin cell adhesion molecule-1 RNA transcripts are predominantly expressed in the small intestine, mesenteric lymph nodes, colon and spleen; and are very weakly expresssed in human pancreas and brain.

Synonyms: hMAdCAM-1, MAdCAM-1, Mucosal addressin cell adhesion molecule 1