

Mouse MADCAM-1 ELISA Kit | MADCAM1 elisa kit

Mouse MADCAM-1 PicoKine ELISA Kit

CATALOG #
AAA11622

REACTIVITY
Mouse

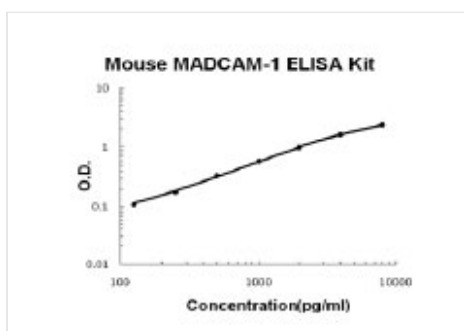
PRODUCT SYNONYMS

MADCAM-1; Mouse MADCAM-1 PicoKine ELISA Kit; Mucosal addressin cell adhesion molecule 1; mucosal vascular addressin cell adhesion molecule 1; Addressin mucosal; hMAdCAM 1; hMAdCAM-1; MACAM1; MADCA_HUMAN; MADCAM 1; MADCAM-1; Madcam1; Mucosal vascular addressin cell adhesion molecule 1; MADCAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Madcam1
Sequence Length	405
Samples	Cell culture supernatants and serum
Detection Range	125pg/ml-8000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MADCAM1 elisa kit	Principle of the Assay: The Picokine™ Mouse Madcam1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Madcam1 with a 96-well strip plate that is pre-coated with antibody specific for Madcam1. The detection antibody is a biotinylated antibody specific for Madcam1. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Madcam1 with immunogen: Expression system for standard: NSO; Immunogen sequence: Q22-T365. The kit is analytically validated with ready to use reagents. To measure Mouse Madcam1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Madcam1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Madcam1 in the sample. Background/Introduction: MADCAM1(Mucosal Vascular Addressin Cell Adhesion Molecule 1), also known as MACAM1, is a protein that is encoded by the MADCAM1 gene. By PCR-based analysis of somatic cell hybrids, Leung et al(1997) mapped the MACAM1 gene to chromosome 19. The protein encoded by this gene is an endothelial cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM-1(alpha4 / beta7), Lselectin, and VLA-4(alpha4/beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin superfamily and is similar to ICAM-1 and VCAM-1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41688576
NCBI GeneID	17123
UniProt Accession #	Q61826; O35530; Q61278; Q64275; Q8R1M6
Molecular Weight	28,357 Da
NCBI Official Full Name	Mucosal addressin cell adhesion molecule 1
NCBI Official Synonym Full Names	mucosal vascular addressin cell adhesion molecule 1
NCBI Official Symbol	Madcam1
NCBI Official Synonym Symbols	AV211525
NCBI Protein Information	mucosal addressin cell adhesion molecule 1; MAdCAM-1; mMAdCAM-1
UniProt Protein Name	Mucosal addressin cell adhesion molecule 1
UniProt Gene Name	Madcam1
UniProt Synonym Gene Names	MAdCAM-1; mMAdCAM-1
UniProt Entry Name	MADCA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.