

Recombinant Rattus norvegicus (Rat) Mucosal addressin cell adhesion molecule 1

Catalog No: #AP73522

Package Size: #AP73522-1 20ug #AP73522-2 100ug #AP73522-3 1mg

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Description

Product Name	Recombinant Rattus norvegicus (Rat) Mucosal addressin cell adhesion molecule 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-353aaSequence Info:Extracellular Domain
Other Names	Short name: MAdCAM-1 Short name: rMAdCAM-1
Accession No.	O70540
Uniprot	O70540
GeneID	54266;
Calculated MW	52 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	QSFQVNPPEPEVAVAMGTSLQINCSMSCDKDIARVHHGLDTNLGNVQTLPGSRVLSVRGMLSDTGTRVCV GSCGSRSFQHSVKILVYAFPDQLEVTPEFLVPGRDQVVSCTAHNIWPAGPDSLFSALLRGEQSLEGAQALETE QEEEMQETEGTPLFQVTQRWLLPSLGTPALPALYCQVTMQLPKLVLTHRRKIPVLQSQTSPEPPSTTSAPKYIL TSSHTTKAVSTGLSSVALPSTPLSSEGPCYPEIHQNPEADWELLCEASCGSGVTVHWTLPAGDLAAYHKREA GAQAWLSVLPLGPIPEGWFQCRMDPGGQVTSLYVTGQVIPNPSS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Cell adhesion leukocyte receptor expressed by mucosal venules, helps to direct lymphocyte traffic into mucosal tissues including the Peyer patches and the intestinal lamina propria. It can bind both the integrin alpha-4,beta-7 and L-selectin, regulating both the passage and retention of leukocytes

References

"Cloning and characterization of the rat MAdCAM-1 cDNA and gene."Iizuka T., Koike R., Miyasaka N., Miyasaka M., Watanabe T.Biochim. Biophys. Acta 1395:266-270(1998) Research Topic:Immunology

Note: This product is for in vitro research use only