

Product datasheet for **MC208924**

Madcam1 (NM_013591) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Madcam1 (NM_013591) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Madcam1
Synonyms:	AV211525; MAdCAM-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208924 representing NM_013591 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCCATCCTGGCCCTCTGCTGGCCCTGGCCCTAGTACCCTACCAGCTCAGCAGAGGACAGTCTCT
TCCAGGTGAACCCCTGAGTCTGAGGTAGCTGTGGCCATGGGCACATCCCTCCAGATCACCTGCAGCAT
GTCCTGTGACGAGGGTGTAGCCCGGTGACTGGCGTGGTCTGGACACCAGCTTGGGCAGTGTACAGACC
CTCCAGGCAGCAGTATCCTCTCTGTACGGGCATGCTGTGACACACAGGCACCTCTGTGTGTGGGCT
CCTGCGGGAGTCGAAGCTTCCAGCACTCCGTGAAGATCCTTGTGTATGCCTTCCAGACCAGCTGGTGGT
GTCCCGGAGTTCCTTGTACCTGGACAGGACCAGGTGGTGTCTGCACGGCCACAAATCTGGCCCTGCA
GACCCGAACAGTCTCTCCTTTGCCCTGCTACTGGGAGAGCAGAGACTGGAGGGTGCCCAAGCCCTGGAAC
CAGAGCAAGAAGAGGAGATACAAGAGGCTGAGGGCACACCACTGTTCCGAATGACACAACGCTGGCGGTT
ACCCTCCTGGGGACCCCTGCCCTCCTGCCCTTCACTGCCAGGTCAACATGCAGCTGCCAAACTGGTG
CTGACCCATAGAAAGGAGATTCCAGTACTACAGAGCCAGACCTCACCTAAGCCCCAACACGACCTCTG
CTGAGCCCTACATCCTGACCTCATCAAGTACTGCTGAGGCAGTCTCCACTGGGCTCAACATCACACCCCT
ACCTTCTGCCCTCCATACCCCAAGCTTAGCCCTAGGACTCTGAGCTCTGAGGGACCTTGGCCCGGAAA
ATCCACCAGGACCTGGAGGCAGGCTGGGAGCTACTCTGTGAAGCATCCTGTGGCCCGGAGTTACTGTGC
GCTGGACCTTGGCTCCTGGCGACCTGGCAACCTACCACAAGAGGGAGGCTGGGGCCAGGCATGGCTAAG
CGTGCTGCCCCAGGTCCCATGGTAGAGGGCTGGTTCCAGTGCCGCCAGGACCCTGGCGGCAGGTGACC
AATCTGTATGTTCTGGCCAGGTGACCCGAATTCCTCCTCCACCGTCGTCTATGGATTGGCAGCTTGG
TGCTGGGGCTGCTGCACTGGTCTTCTTGCCTACCGCTGTGGAATGCTACCGCCAGGTCTCGCCC
AGACACTAGTTCATGTACACACCTATGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1573_c04.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013591
Insert Size:	1218 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_013591.2 , NP_038619.2
RefSeq Size:	1420 bp
RefSeq ORF:	1218 bp
Locus ID:	17123
Cytogenetics:	10 39.72 cM
Gene Summary:	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. Both isoform 1 and isoform 2 can adhere to integrin alpha-4/beta-7. Isoform 2, lacking the mucin-like domain, may be specialized in supporting integrin alpha-4/beta-7-dependent adhesion strengthening, independent of L-selectin binding. [UniProtKB/Swiss-Prot Function]