

## Recombinant Human MADCAM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MADCAM1-2884H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MADCAM1 MS Standard C13 and N15-labeled recombinant protein (NP_570116) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is an endothelial cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM-1 (alpha4beta7), L-selectin, and VLA-4 (alpha4beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin family and is similar to ICAM1 and VCAM1. At least seven alternatively spliced transcripts encoding different protein isoforms have been found for this gene, but the full-length nature of some variants has not been determined. |
| <b>Molecular Mass</b>   | 38.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MDFGLALLLAGLLGLLLGQSLQVKPLQVEPPEPVVAVALGASRQLTCRLACADRGAS<br>VQWRGLDTSLGAVQSDTGRSVLTVRNASLSAAGTRVCVGSCGGRTFQHTVQLLVY<br>AFPDQLTVSPAALVPGDPEVACTAHKVTPVDPNALSFSLLVGGQELEGAQALGPEV<br>QEEEEEPQGDEDVLFVRTERWRLPPLGTPVPPALYCQATMRLPGLELSHRQAIPVL<br>HSPTSPEPPNTTSPEPPNTTSPESPDTTSPEPPDTTSPEPPDKTSPEPAPQQGSTH<br>TPRSPGSTRTRRPEISQAGPTQGEVIPTGSSKPAGDQLPAALWTSSAVLGLLLLALP                                                                                                                                                                                |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | TYHLWKRCRHLAEDDTHPPASLRLLPQVSAWAGLRGTGQVGISPSTRTRPLEQKLI<br>SEEDLAANDILDYKDDDDKV           |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MADCAM1 mucosal vascular addressin cell adhesion molecule 1 [ Homo sapiens (human) ]                                                                                               |
| <b>Official Symbol</b> | MADCAM1                                                                                                                                                                            |
| <b>Synonyms</b>        | MADCAM1; mucosal vascular addressin cell adhesion molecule 1; mucosal addressin cell adhesion molecule 1; MACAM1; MAdCAM-1; hMAdCAM-1; mucosal addressin cell adhesion molecule-1; |
| <b>Gene ID</b>         | 8174                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_130760                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_570116                                                                                                                                                                          |

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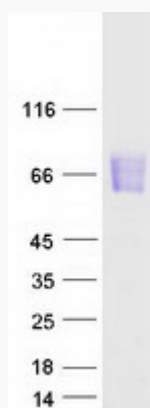
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MIM 102670

UniProt ID Q13477

SDS-PAGE



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