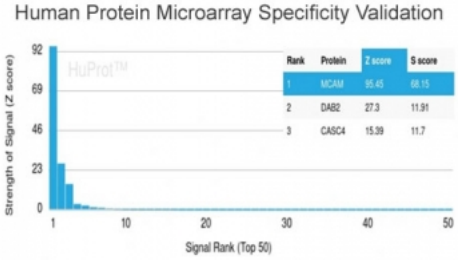
# MCAM Antibody MCAM/3179 / CD146 Mouse Monoclonal Antibody [clone MCAM/3179] (V8923)

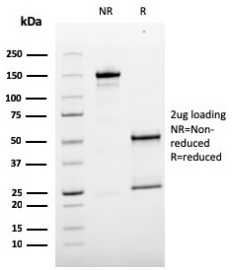
| Catalog No. | Formulation | Size |
|---|---|---|
| V8923-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8923-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V8923SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2c, kappa |
| **Clone Name** | MCAM/3179 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P43121 |
| **Localization** | Cell Surface |
| **Applications** | ELISA: 2-4ug/ml (order BSA-free format for coating) |
| **Limitations** | This MCAM Antibody MCAM/3179 / CD146 Mouse Monoclonal Antibody is available for research use only. |




Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using MCAM Antibody MCAM/3179. These results demonstrate the foremost specificity of the MCAM/3179 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.




SDS-PAGE analysis of purified, BSA-free MCAM antibody (clone MCAM/3179) as confirmation of integrity and purity.

## Description

The human MCAM gene maps to chromosome 11q23 and encodes a trans-membrane glycoprotein, also designated Mel-CAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca2+-independent cell adhesion molecule. MCAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the neuroectodermal lineage, but not normal melanocytes. MCAM is found on 80% of advanced primary human melanomas and correlates well with development of metastatic disease.

For an alternative antibody targeting the same cell adhesion molecule, see our MCAM Antibody MCAM/3046, a mouse monoclonal antibody featuring human melanoma IHC and protein microarray specificity validation.

## Application Notes

Optimal dilution of the MCAM Antibody MCAM/3179 / CD146 Mouse Monoclonal Antibody should be determined by the researcher.

## Immunogen

Recombinant human MCAM/CD146 protein was used as the immunogen for the MCAM Antibody MCAM/3179.

## Storage

Aliquot the MCAM Antibody MCAM/3179 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

## Alternate Names

MCAM antibody, MUC18 antibody, Mel-CAM antibody, Melanoma Cell Adhesion Molecule antibody, Cell Surface Glycoprotein MUC18 antibody, CD146 Antigen antibody, Recombinant MCAM antibody, Recombinant MUC18 antibody


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