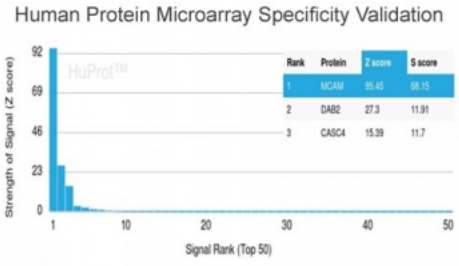
MCAM Antibody / CD146 / MUC18 [clone MCAM/3179] (V8923)

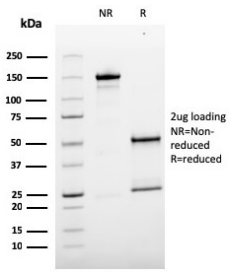
Catalog No.	Formulation	Size
V8923-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8923-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8923SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
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 is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using MCAM antibody (clone 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.

Application Notes

Optimal dilution of the MCAM antibody should be determined by the researcher.

Immunogen

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

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com