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Datasheet for ABIN6940015

## anti-MCAM antibody

### 2 Images

#### Overview

Quantity:	100 µg
Target:	MCAM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCAM antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat)

#### Product Details

Immunogen:	Recombinant human MCAM protein
Clone:	MCAM-3179
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

#### Target Details

Target:	MCAM
Alternative Name:	MCAM ( <a href="#">MCAM Products</a> )
Background:	The human Mel-CAM gene maps to chromosome 11q23 and encodes a trans-membrane glycoprotein, also designated MCAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca <sup>2+</sup> -independent cell adhesion molecule. Mel-CAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the

## Target Details

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neuroectodermal lineage, but not normal melanocytes. Mel-CAM is found on 80 % of advanced primary human melanomas and correlates well with development of metastatic disease.

Molecular Weight: 130kDa

Gene ID: 4162

UniProt: [P43121](#)

## Application Details

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Application Notes: Positive Control: A-375, HUV-EC or HeLa cells. Tonsil or Melanoma (IHC).  
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

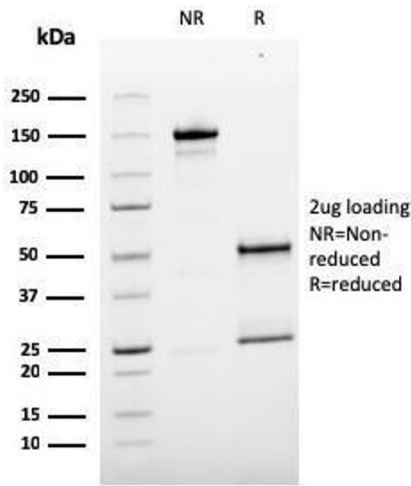
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

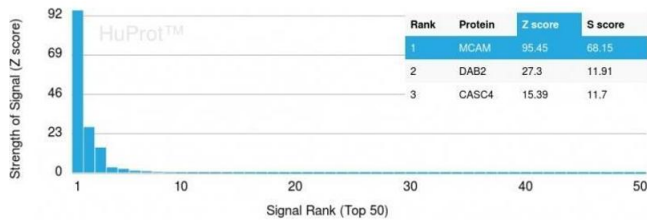
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified MCAM Mouse Monoclonal Antibody (MCAM/3179). Confirmation of Purity and Integrity of Antibody.



### Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using MCAM Mouse Monoclonal Antibody (MCAM/3179). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.