

Datasheet for ABIN6940013
anti-MCAM antibody (AA 226-374)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	MCAM
Binding Specificity:	AA 226-374
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCAM antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MCAM protein fragment (around aa226-374) (exact sequence is proprietary)
Clone:	MCAM-3046
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MCAM
Alternative Name:	MCAM (MCAM Products)
Background:	The human Mel-CAM gene maps to chromosome 11q23 and encodes a trans-membrane

Target Details

glycoprotein, also designated MCAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca²⁺-independent cell adhesion molecule. Mel-CAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the 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

Application Notes: Positive Control: Human skin or melanoma tissue (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA, pH 8.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

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

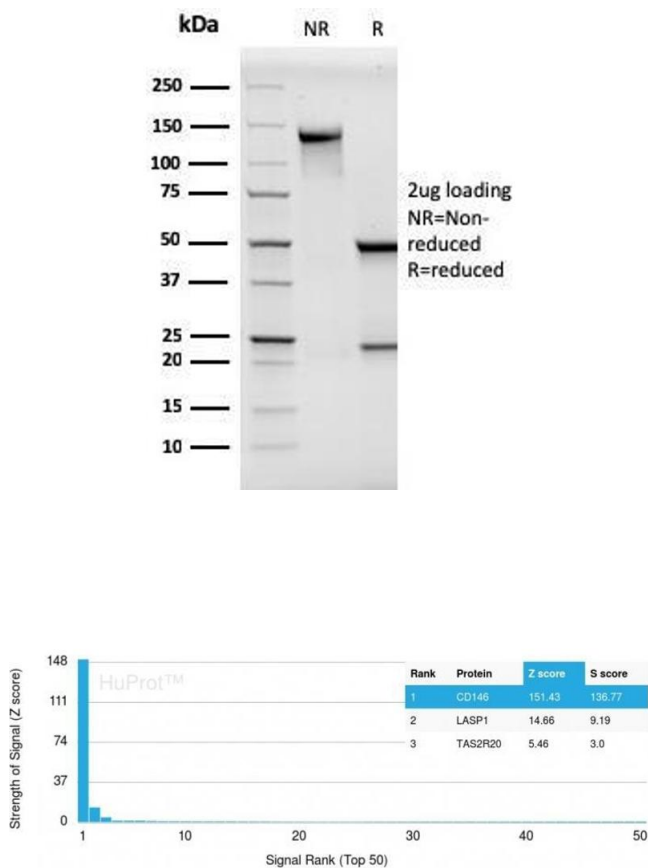
Preservative: Sodium azide

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

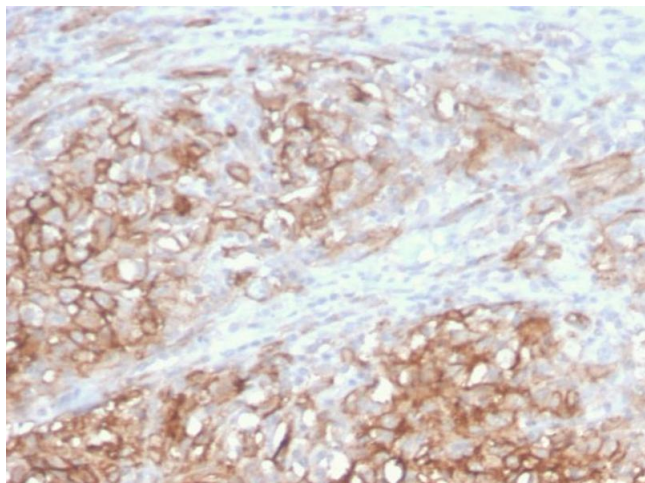


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MCAM Mouse Monoclonal Antibody (MCAM/3046). 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/3046). 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 (SDs) 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 SDs) 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Mouse Monoclonal Antibody (MCAM/3046).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940013.