Datasheet for ABIN6940014

anti-MCAM antibody (AA 226-374)

3 Images

Go to Product page

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-3048
Isotype:	IgG2b 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

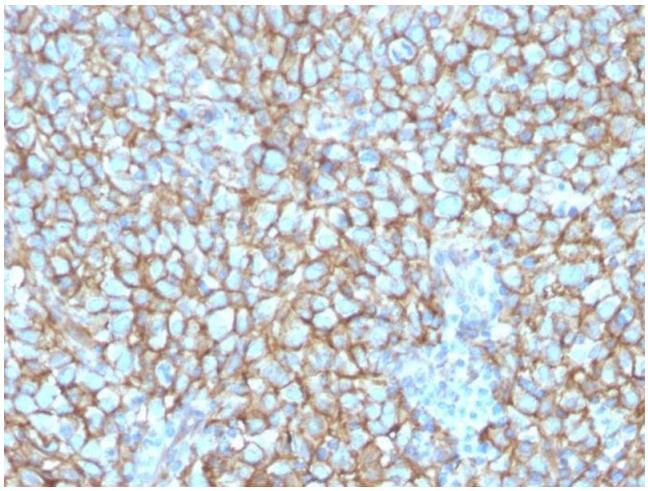
	glycoprotein, also designated MCAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca2+-independent cell adhesion molecule. Mel-CAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the neuroectodermal lineage, but not normal 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

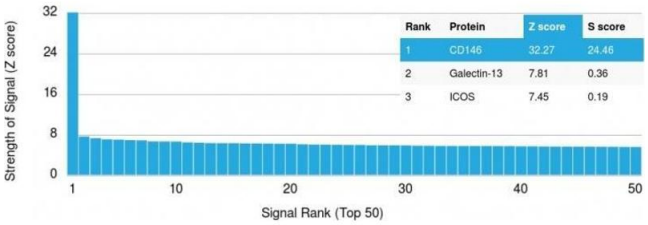
Handling

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



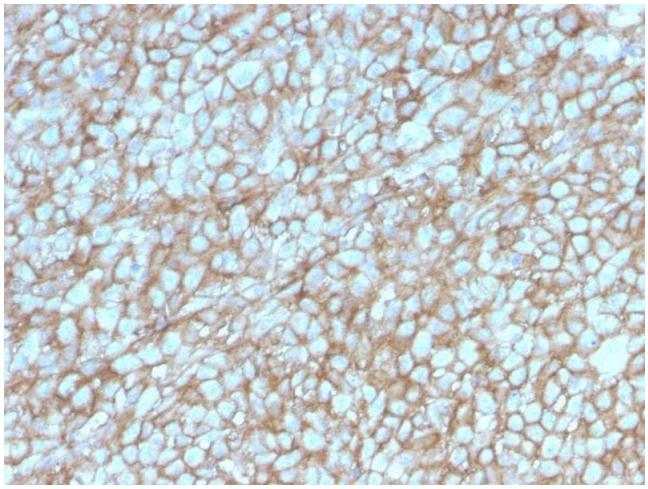
Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Mouse Monoclonal Antibody (MCAM/3048).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using MCAM Mouse Monoclonal Antibody (MCAM/3048). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Mouse Monoclonal Antibody (MCAM/3048).