

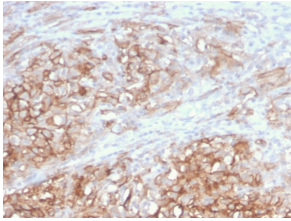
Anti-CD146 Antibody [MCAM/3046] - BSA and Azide free (A252475)

Specifications:

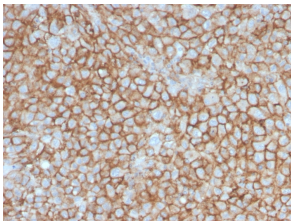
Name:	Anti-CD146 Antibody [MCAM/3046] - BSA and Azide free
Description:	Mouse monoclonal [MCAM/3046] antibody to CD146.
Specificity:	The human Mel-CAM gene maps to chromosome 11q23 and encodes a trans-membrane glycoprotein, also designated MCAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca ²⁺ -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.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 226-374, of human MCAM protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	MCAM/3046
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-CD146 Antibody [MCAM/3046] (A249295).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Anti-CD146 Antibody [MCAM/3046] - BSA and Azide free (A252475)

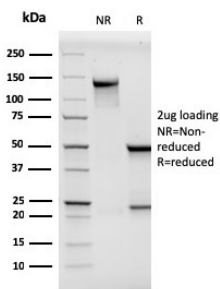
Images:



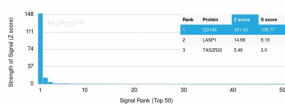
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human melanoma using Anti-CD146 Antibody [MCAM/3046].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human melanoma using Anti-CD146 Antibody [MCAM/3046].



SDS-PAGE analysis of Anti-CD146 Antibody [MCAM/3046] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-CD146 Antibody [MCAM/3046]. Z-Score 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 be 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.