



Datasheet for ABIN6940008
anti-MCAM antibody



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3 Images

Overview

Quantity:	100 µg
Target:	MCAM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCAM antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MCAM protein
Clone:	MCAM-1101
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 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

Target Details

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: A-375, HUV-EC or HeLa cells. Tonsil or Melanoma (IHC).
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1.0 µg/mL), 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.

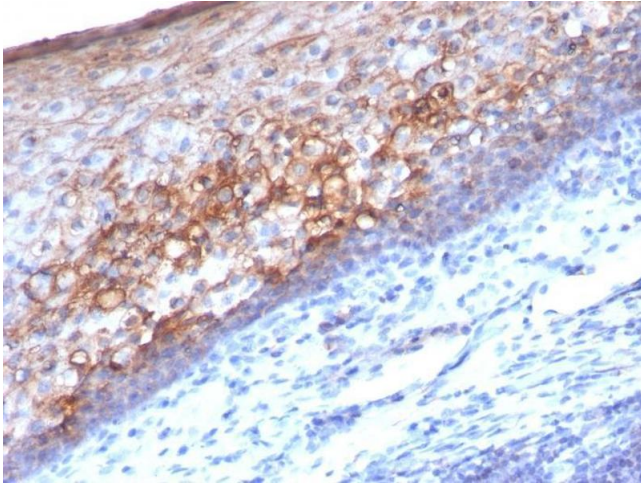
Preservative: Sodium azide

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

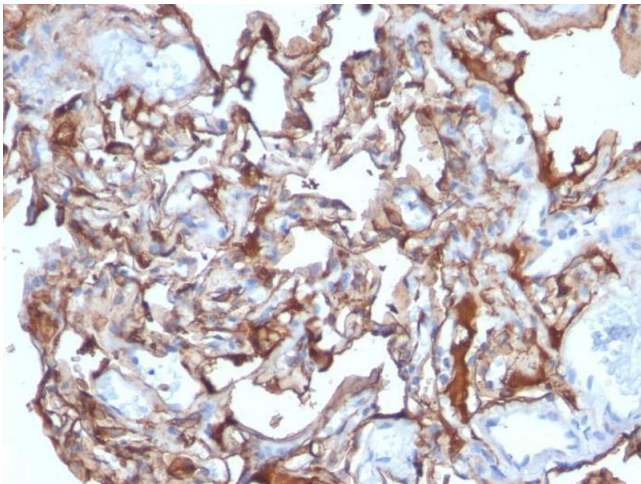
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



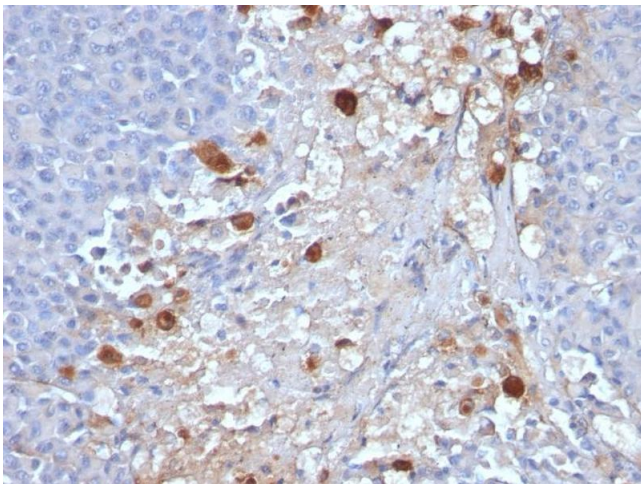
Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Tonsil stained with MCAM Mouse Monoclonal Antibody (MCAM/1101).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Mouse Monoclonal Antibody (MCAM/1101).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Mouse Monoclonal Antibody (MCAM/1101).