

Datasheet for ABIN7127274

Recombinant anti-MCAM antibody[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	MCAM
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This MCAM antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), ELISA

Product Details

Immunogen:	A synthesized peptide
Clone:	8A10
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	MCAM
Alternative Name:	MCAM (MCAM Products)

Target Details

Background:	<p>Background: Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.</p> <p>Aliases: Cell surface glycoprotein MUC18, Cell surface glycoprotein P1H12, Melanoma cell adhesion molecule, Melanoma-associated antigen A32, Melanoma-associated antigen MUC18, S-endo 1 endothelial-associated antigen, CD146, MCAM, MUC18</p>
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UniProt:	P43121
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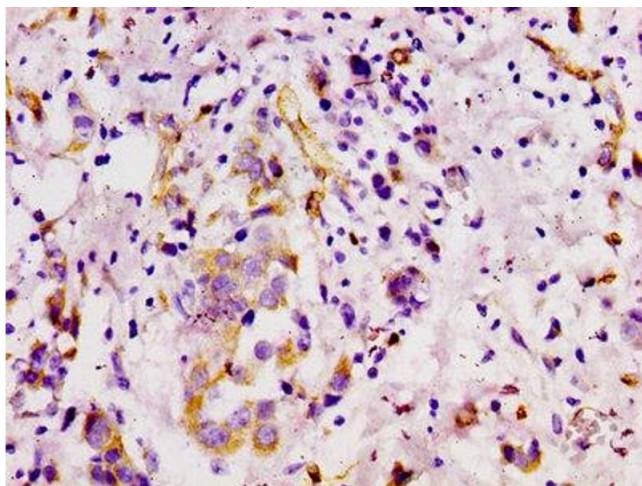
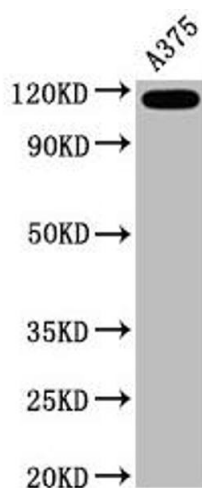
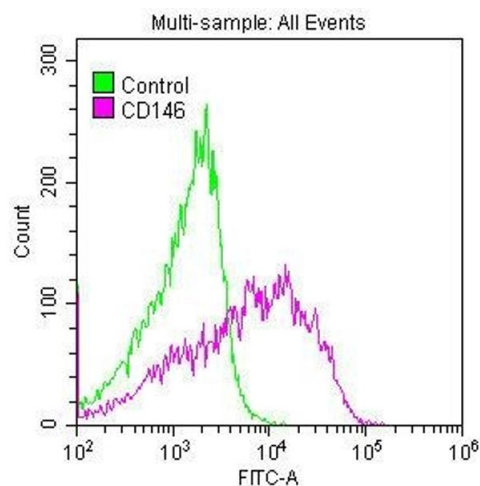
Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500, IF:1:30-1:200,
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Flow Cytometry

Image 1. Overlay histogram showing A375 cells stained with ABIN7127274 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then permeabilized with 0.3 % Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10 % normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 °C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4 °C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Western Blotting

Image 2. Western Blot Positive WB detected in A375 whole cell lysate All lanes CD146 antibody at 0.6 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 72 KDa Observed band size: 120 KDa

Immunohistochemistry

Image 3. IHC image of ABIN7127274 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7127274.