

**Goat anti-MCAM / CD146/ MUC18 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4471a****Specification**

---

**Goat anti-MCAM / CD146/ MUC18 Antibody - Product Information**

Application	<b>WB, Pep-ELISA</b>
Primary Accession	<a href="#">P43121</a>
Other Accession	<a href="#">NP_006491.2</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>71607</b>

**Goat anti-MCAM / CD146/ MUC18 Antibody - Additional Information****Gene ID** 4162**Other Names**

MCAM; melanoma cell adhesion molecule; CD146; MUC18; Gicerin; S-endo 1  
endothelial-associated antigen; cell surface glycoprotein MUC18; cell surface glycoprotein P1H12;  
melanoma adhesion molecule; melanoma-associated antigen A32; melanoma-associated antigen

**Dilution**

WB~~1:1000  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  
Aliquot and store at -20°C. Minimize freezing and thawing.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-MCAM / CD146/ MUC18 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-MCAM / CD146/ MUC18 Antibody - Protein Information****Name** MCAM**Synonyms** MUC18**Function**

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 a surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis

**Goat anti-MCAM / CD146/ MUC18 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-MCAM / CD146/ MUC18 Antibody - Images**