CD146 recombinant monoclonal antibody (44)

CD146, also known as MCAM (Melanoma Cell Adhesion Molecule), is a cell adhesion molecule expressed on endothelial cells, smooth muscle cells, and certain tumor cells. It is involved in angiogenesis, metastasis, and cell signaling, making it a key marker in studies of cancer progression and vascular biology.

This antibody is covered by our Worry-Free Guarantee.

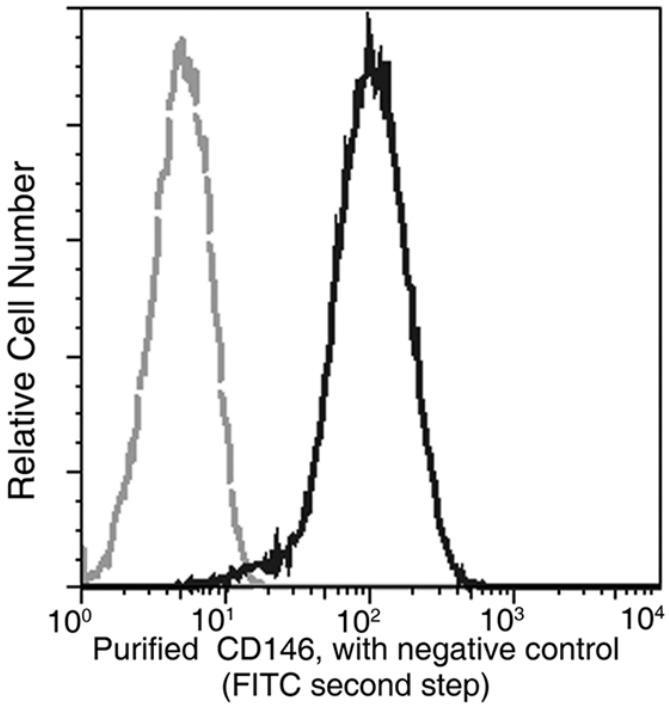
Ordering Information

Order Online »

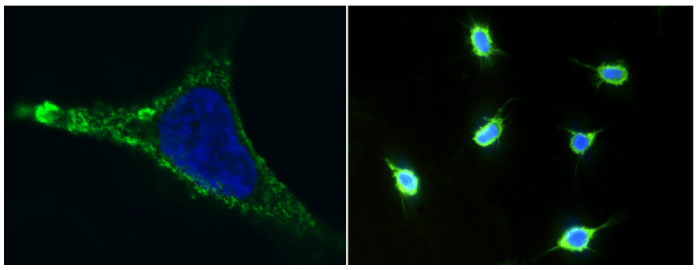
ENZ-ABS1037-0100	100µl

Manuals, SDS & CofA

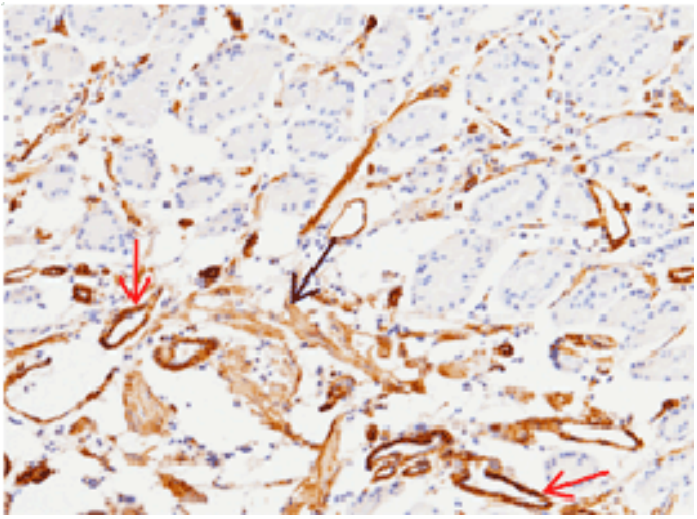
View Online »



Flow cytometric analysis of anti-CD146 on HeLa cells. HeLa cells were detached using 1X trypsin, washed, then stained with purified rabbit anti-CD146. Second step staining with goat anti-rabbit IgG FC polyclonal antibody.



Immunofluorescence staining of Human CD146 in Hela cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Rabbit anti-Human CD146 monoclonal antibody (1:100) at 4 overnight. Then cells were stained with the Alexa Fluor® 488-conjugated (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope) Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to plasma membrane.



Immunohistochemical staining of formalin fixed, paraffin-embedded human stomach showing membrane staining of endothelial cells (red arrow), smooth muscle cells (black arrow) (1:200).

Handling & Storage

Handling	Avoid freeze-thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	MCAM, Cell surface glycoprotein MUC18
Application	ELISA, Flow Cytometry, ICC, IF, IHC (PS)
Clone	44
Crossreactivity	No cross-reactivity in ELISA with human CD66a / CEACAM1, human CD166 / alcama, human CD106 / VCAM1, human CD226 / DNAM-1, human BCAM / CD239.
Formulation	Liquid. 0.2 µm filtered solution in PBS. Preservative free. Carrier-free.
Host	Rabbit
Immunogen	Recombinant human CD146 / MCAM extracellular domain.
Isotype	IgG
Purity Detail	Protein A purified.
Recommendation Dilutions/Conditions	ELISA (1:5’000-1:10’000)Immunohistochemistry (paraffin sections) (1:100-1:500)Immunocytochemistry / Immunofluorescence (1:50-1:1’000)Flow Cytometry (1:25-1:100)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human

Worry-free Guarantee

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