EliteRmab®

CD146 / MCAM Antibody, Rabbit MAb

Sino Biological
Biological Solution Specialist

Catalog Number: **10115-R044**

GENERAL INFORMATION	
Immunogen:	Recombinant Human CD146 protein (Catalog#10115-H08H)
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD146 / MCAM extracellular domain (rh CD146; Catalog#10115-H08H; NP_006491.2; Met 1-Gly 559) .
Ig Type:	Rabbit IgG
Clone ID:	44
Specificity:	Human CD146 / MCAM
	No cross-reactivity in ELISA with Human CD66a / CEACAM1 Human CD166 / alcama Human CD106 / VCAM1 Human CD226 / DNAM-1 Human BCAM / CD239
Formulation:	0.2 μm filtered solution in PBS
Storage:	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	CD146,MUC18
APPLICATIONS	
Applications:	ELISA,ELISA(Det),IHC-P,FCM,ICC/IF
RECOMMENDED CONCENTRATION	
IHC-P	IHC-P: 1:100-1:500
ICC/IF	ICC/IF: 1:50-1:1000
Flow Cytometry	FCM: 1:25-1:100
ELISA	ELISA: 1:5000-1:10000 This antibody can be used at 1:5000-1:10000 with the appropriate secondary reagents to detect Human CD146.
Sandwich ELISA (Detection Ab)	ELISA(Det): 1:1000-1:10000 This antibody will detect Human CD146 / MCAM in ELISA pair set (Catalog: # SEK10115). In a sandwich ELISA, it can be used as detection antibody when paired with (Catalog: # 10115-MM05).

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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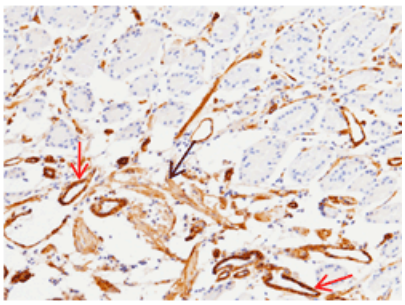
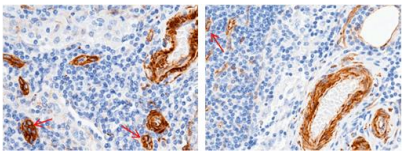
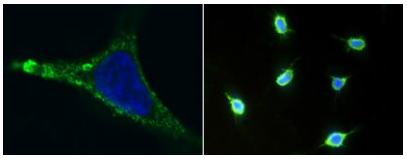


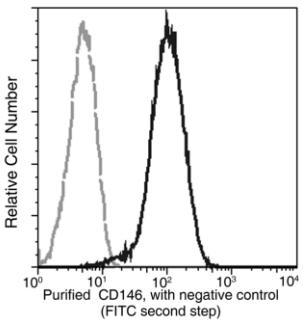
Immunohistochemical staining of formalin fixed, paraffin-embedded human stomach showing membrane staining of endothelial cells (red arrow), smooth muscle cells (black arrow) (1:200).



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



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.



Flow cytometric analysis of anti-CD146 (10115-R044) 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.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system. Please refer to www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html for technical protocols.