

# Product Datasheet

## MCAM/CD146 Antibody (MUC18/1130)

### NBP2-44512-0.1mg

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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**Reviews: 2 Publications: 3**

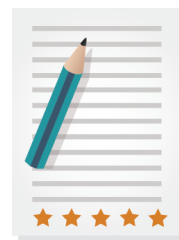
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[www.novusbio.com/NBP2-44512](http://www.novusbio.com/NBP2-44512)

Updated 10/23/2024 v.20.1

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**NBP2-44512-0.1mg**

MCAM/CD146 Antibody (MUC18/1130)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MUC18/1130
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	130 kDa

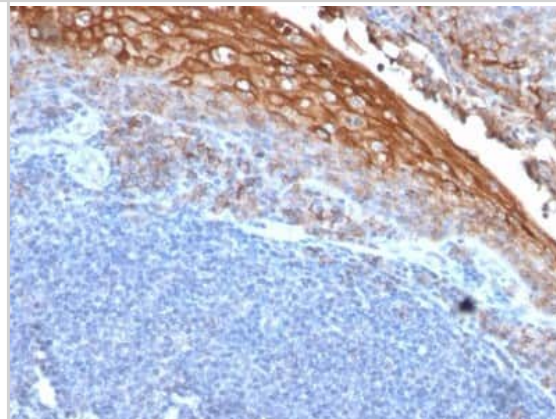
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47777)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	4162
Gene Symbol	MCAM
Species	Human
Immunogen	Recombinant full-length human MCAM/CD146 protein (Uniprot: P43121)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 8.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

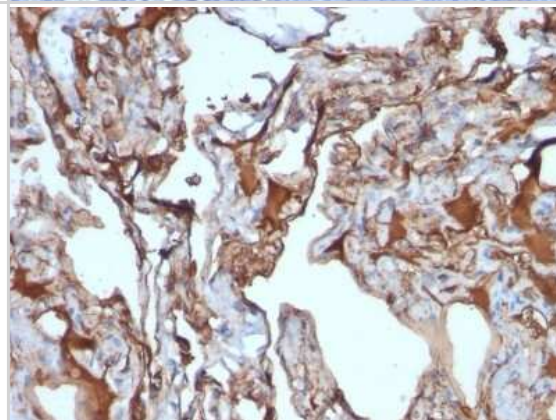


## Images

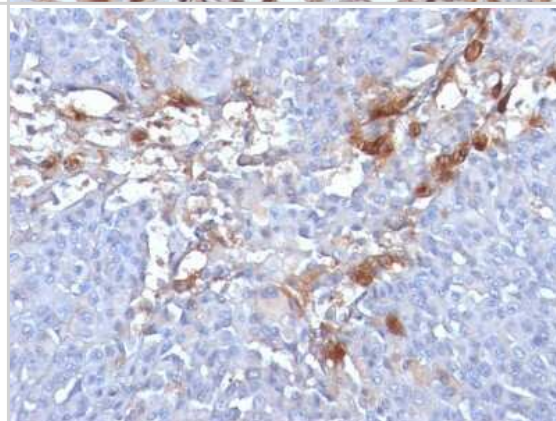
Immunohistochemistry-Paraffin: MCAM/CD146 Antibody (MUC18/1130) [NBP2-44512] - Human Tonsil stained with MUC18 Monoclonal Antibody (MUC18/1130)



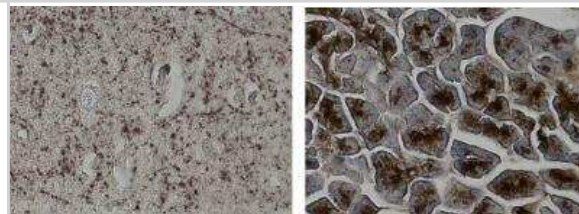
Immunohistochemistry-Paraffin: MCAM/CD146 Antibody (MUC18/1130) [NBP2-44512] - Human Melanoma stained with MUC18 Monoclonal Antibody (MUC18/1130)



Immunohistochemistry-Paraffin: MCAM/CD146 Antibody (MUC18/1130) [NBP2-44512] - Human Melanoma stained with MUC18 Monoclonal Antibody (MUC18/1130)



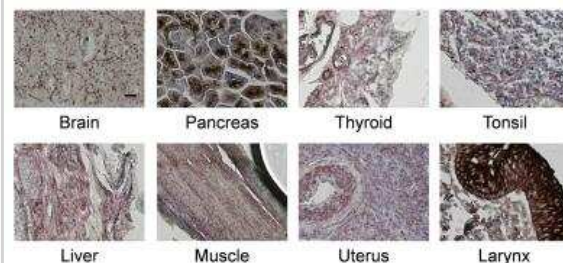
Immunohistochemistry-Paraffin: MCAM/CD146 Antibody (MUC18/1130) [NBP2-44512] - CD146 was stained in both human brain and pancreatic tissues. CD146 expression was high in pancreatic tissue, yet low in brain tissue as shown by the brown coloration. Image from a verified customer review.



Brain

Pancreas

Immunohistochemistry-Paraffin: MCAM/CD146 Antibody (MUC18/1130) [NBP2-44512] - CD146 Staining of Normal Human Tissues. Image from a verified customer review.



## Publications

Liu Y, Zhou Y. Circ\_0087960 stabilizes KDM5B by reducing SKP2 mediated ubiquitination degradation and promotes osteogenic differentiation in periodontal ligament stem cells Regen Ther 2022-03-01 [PMID: 35229010] (FLOW, Human)

Details:

Citation using the FITC version of this antibody.

Elahi FM, Harvey D, Altendahl M, Casaletto KB Endothelial-derived exosomes demonstrate a link between endothelial innate inflammation and brain dysfunction and injury in aging bioRxiv 2019 Jun 21 (IP, Human)  
Endothelial-derived exosomes demonstrate a link between endothelial innate inflammation and brain dysfunction and injury in aging. BioRxiv 2019-06-21 (IP, Human)

Details:

Citation using the Azide and BSA Free version of this antibody.

Sun H, England CG, Hernandez R et al. ImmunoPET for assessing the differential uptake of a CD146-specific monoclonal antibody in lung cancer Eur. J. Nucl. Med. Mol. Imaging 2016-06-25 [PMID: 27342417]



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### **Products Related to NBP2-44512-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-88132PEP	MCAM/CD146 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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