

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM577]
Catalog # AH10813

Specification**von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - Product Information**

Application	WB, IHC-P, IF, FC, IP
Primary Accession	P04275
Other Accession	7450 , 440848
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	250kDa kDa

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 7450

Other Names

von Willebrand factor, vWF, von Willebrand antigen 2, von Willebrand antigen II, VWF, F8VWF

Application Note

WB~~1:1000
IHC-P~~N/A
IF~~1:50~200
FC~~1:10~50
IP~~N/A

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - Protein Information

Name VWF

Synonyms F8VWF

Function

Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet- surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma.

Cellular Location

Secreted. Secreted, extracellular space, extracellular matrix. Note=Localized to storage granules

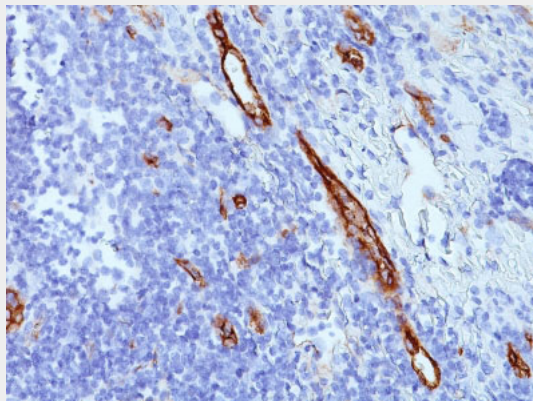
Tissue Location

Plasma.

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - 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](#)

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - Images

Formalin-fixed, paraffin-embedded human Tonsil stained with vWF Monoclonal Antibody (SPM577

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - Background

von Willebrand Factor (vWF) is a multimeric glycoprotein that is found in endothelial cells, plasma and platelets. It acts as a carrier protein for Factor VIII and promotes platelet adhesion and aggregation. vWF undergoes a variety of posttranslational modifications that influence the affinity and availability for Factor VIII, including cleavage of the propeptide and formation of N-terminal disulfide bonds. This antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposi's sarcoma and cardiac myxoma. It is widely used for differentiating

vascular lesions from those of other tissue differentiation within a panel of other vascular markers although not all tumors of endothelial differentiation contain this antigen.

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody - With BSA and Azide - References

Motta, A. et al. 2009. J Biomater Sci Polym Ed. 20: 1875-1897. | Germann, B. et al. 2008. Pharmazie. 63: 303-307