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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<br \>IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50<br \>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

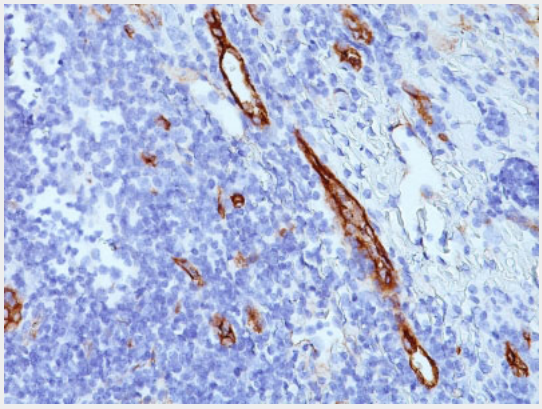
Tissue Location
Plasma.

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 Cytomety
- 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. Kaposiâ€™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