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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

## Product Information

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|---|---|
| **Application** | WB, IF, FC, IP, IHC-P |
| **Primary Accession** | P04275 |
| **Other Accession** | 7450, 440848 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse / IgG1, kappa |
| **Clone Names** | SPM577 |
| **Calculated MW** | 309265 |

## Additional Information

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| **Gene ID** | 7450 |
| **Other Names** | von Willebrand factor, vWF, von Willebrand antigen 2, von Willebrand antigen II, VWF, F8VWF |
| **Application Note** | WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IP~~N/A IHC-P~~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. |

## Protein Information

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| **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 |

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| | premature clearance from plasma. |
| **Cellular Location** | Secreted. Secreted, extracellular space, extracellular matrix. Note=Localized to storage granules |
| **Tissue Location** | Plasma. |

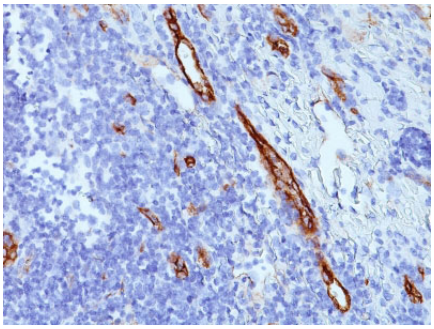
## Background

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. Kaposiā€™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.

## References

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

## Images



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