

# Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody

Mouse Monoclonal Antibody Catalog # AH13574

### **Specification**

### Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody - Product Information

**Application** IHC-P, IF, FC **Primary Accession** P04275 Other Accession 440848 Reactivity Human Host Mouse Clonality **Monoclonal** Isotype Mouse / IgG1 Calculated MW 309265

### Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody - Additional Information

## **Gene ID 7450**

#### **Other Names**

Coagulation Factor VIII, Factor VIII Related Antigen, F8VWF, von Willebrand Antigen 2, von Willebrand Disease (vWD)

#### **Application Note**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \> <span class = "dilution\_IF">IF~~1:50~200</span><br \> <span class = "dilution\_FC">FC~~1:10~50</span>

#### **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**

Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody - 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** 

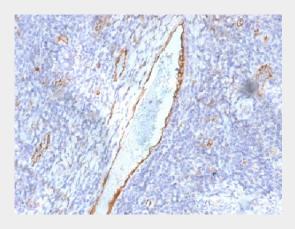
Plasma.

### Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody - Images



Formalin-fixed, paraffin-embedded human Tonsil stained with vWF Monoclonal Antibody (F8/86)

## Anti-von Willebrand Factor / Factor VIII Related-Ag Antibody - 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.