10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Mouse Monoclonal Antibody
Catalog # AH13572

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IF, FC, IP |
| **Primary Accession** | P04275 |
| **Other Accession** | 440848 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse / IgG1 |
| **Clone Names** | VWF/1465 |
| **Calculated MW** | 309265 |

## 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** | Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (0.5-1ug/ml); ,Western Blotting (0.5-1.0ug/ml); Immunoprecipitation (0.5-1 □g/500ug protein lysate);,Immunohistology (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) ,(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. |
| **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. |

## Protein Information

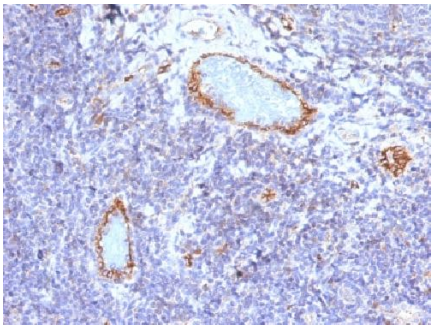
| | |
|---|---|
| **Name** | VWF |
| **Synonyms** | F8VWF |
| | Important in the maintenance of hemostasis, it promotes adhesion of |

| | |
|---|---|
| **Function** | 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. |

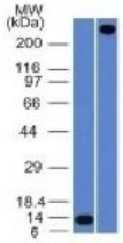
## Background

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.

## Images



Formalin-fixed, paraffin-embedded human Tonsil stained with vWF Monoclonal Antibody (VWF/1465)




Western Blot Analysis A) Recombinant Protein (B) human lung lysate Using Monoclonal Antibody MAb (VWF/1465)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.