

von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody

Mouse Monoclonal Antibody [Clone VWF/4106]

Catalog No	Format	Size
7450-MSM16-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7450-MSM16-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7450-MSM16-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

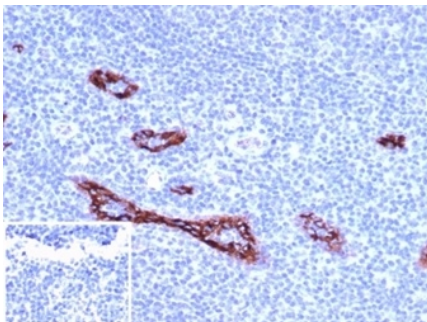
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

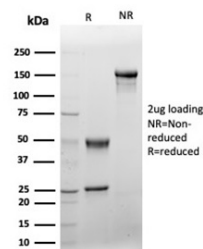
Clone	VWF/4106
Gene Name	VWF
Immunogen	Recombinant fragment (around aa1800-2000) of human VWF (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	250kDa
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	HUVEC cells. Human tonsil.

*Optimal dilution for a specific application should be determined.

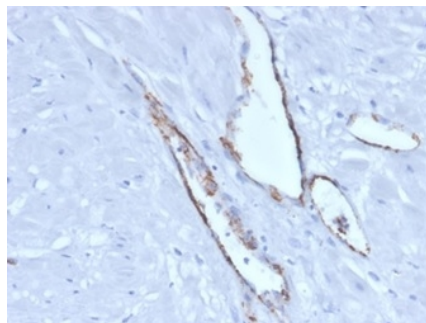
Product Images for von Willebrand Factor / Factor VIII Related-Ag (Endothelial Marker) Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with vWF Mouse Monoclonal Antibody (VWF/4106). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified vWF Mouse Monoclonal Antibody (VWF/4106). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing >19,000 full-length human proteins using Monospecific-vWF Mouse Monoclonal Antibody (VWF/4106). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Formalin-fixed, paraffin-embedded human pancreas stained with vWF Mouse Monoclonal Antibody (VWF/4106). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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.

Supplied As

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 and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Angiogenesis, Endothelial Cell Marker, Infectious Disease, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.