

Mouse Anti-Human von Willebrand Factor, CatNo **K033**
monoclonal

BatchNo: See label
Expiration Date: See Label
Storage: 2-8°C for 1 month
-20°C for longer

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.
Clone Number:	F8/86
Volume/Quantity:	0.1 mg
Product Form:	Purified IgG - liquid
Buffer:	Phosphate buffered saline with 0.1 mg/ml BSA
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Preservatives Stabilisers:	0.05 Sodium Azide (NaN ₃)
Immunogen:	Human plasma vWF protein was used as the immunogen for this von Willebrand Factor antibody.
Isotype:	IgG1 (Mouse)
Specificity:	The monoclonal antibody against Von Willebrand factor K033 is used to stain (cytoplasmic, granular) endothelial cells and megakaryocytes in human tissue. Tumors originating from endothelial cells or megakaryocytes can be deployed by detecting this antigen. In addition, vascularization within different tissues can be assessed and tumor invasion into blood vessels can also be detected

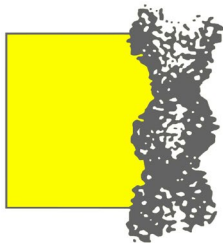
Applications: Suggested Working Dilution

		Suggested Working Dilution
FlowCytometry	Not tested	
Immunohistology-frozen	Yes	
Immunohistology-paraffin	Yes	0.1-0.2 µg/ml
Immunohistology-resin	Not tested	
ELISA	Not tested	
Immunoprecipitation	Not tested	
Western Blotting	Not tested	
Radioimmunoassay	Not tested	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

K033 230109-1/2





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Immunohistology

Positive Control Tissue: Tonsil
Recommended Secondary Reagents: F(ab')₂ rabbit anti-mouse IgG HRP conjugate – (LINARIS CatNo LST0013B) Vectastain[®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector[®] Red (Vector CatNo SK-5100).
Vectastain[®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).
Recommended Negative Controls: Mouse IgG1 Negative Control (LINARIS CatNo ITC0928)

Storage Conditions: Store at 2-8°C for one month or at -20°C for longer!
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life: 12 months from date of despatch.
Health and Safety Information: (A full Health and Safety assessment is available upon request)
This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

K033 230109-2/2

For Research purposes only. Not for therapeutic or diagnostic use.

