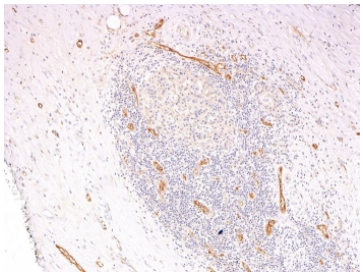
von Willebrand Factor Antibody Cocktail [clone 3E2D10 + VWF635] (V3167)

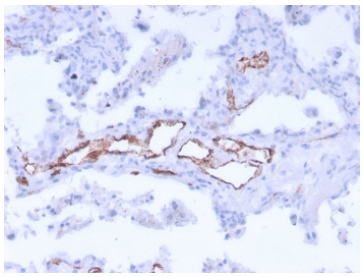
Catalog No.	Formulation	Size
V3167-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3167-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3167SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	3E2D10 + VWF635
Purity	Protein G affinity chromatography
UniProt	P04275
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This von Willebrand Factor antibody cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human pancreas stained with vWF antibody cocktail (clones 3E2D10 + VWF635).



IHC staining of FFPE human uterus with von Willebrand Factor antibody cocktail. HIER: boil tissue sections in pH9 EDTA buffer, for 20 min and allow to cool before testing.

Description

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.

Application Notes

The optimal dilution of the von Willebrand Factor antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.

Immunogen

A partial recombinant human protein was used as the immunogen for this vWF antibody.

Storage

Store the von Willebrand Factor antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).