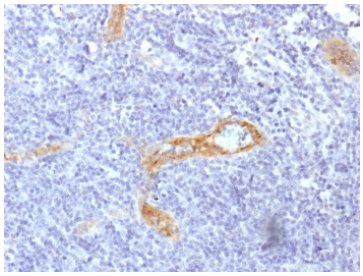
Recombinant von Willebrand Factor Antibody [clone rVWF/1465] (V3686)

Catalog No.	Formulation	Size
V3686-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3686-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3686SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3686IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

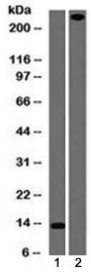
Recombinant | MOUSE MONOCLONAL

Bulk quote request

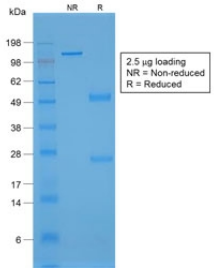
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rVWF/1465
Purity	Protein G affinity chromatography
UniProt	P04275
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant von Willebrand Factor antibody is available for research use only.



IHC testing of FFPE human tonsil with recombinant von Willebrand Factor antibody (clone rVWF/1465). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of 1) partial recombinant protein and 2) human lung lysate with recombinant von Willebrand Factor antibody (clone rVWF/1465). Predicted molecular weight ~250 kDa.



SDS-PAGE analysis of purified, BSA-free recombinant von Willebrand Factor antibody (clone rVWF/1465) as confirmation of integrity and purity.

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 recombinant von Willebrand Factor antibody for each application should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids 1815-1939 from the human protein were used as the immunogen for this recombinant von Willebrand Factor antibody.

Storage

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