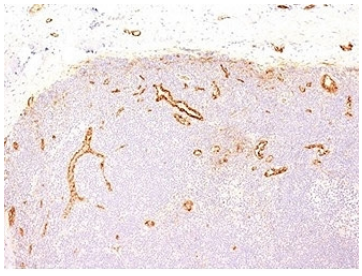
von Willebrand Factor Antibody [clone VWF635] (V2299)

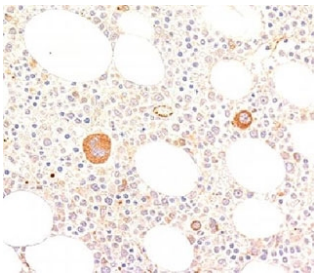
Catalog No.	Formulation	Size
V2299-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2299-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2299SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

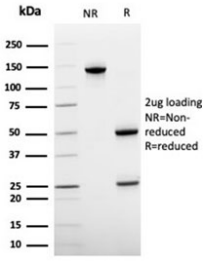
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VWF635
Purity	Protein G purified von Willebrand Factor antibody
Buffer	1X PBS, pH 7.4
Gene ID	7450
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **von Willebrand Factor antibody** is available for research use only.



IHC staining of human tonsil with von Willebrand Factor antibody (clone VWF635).



IHC staining of human bone marrow with von Willebrand Factor antibody (clone VWF635).



SDS-PAGE analysis of purified, BSA-free von Willebrand Factor antibody (clone VWF635) as confirmation of integrity and purity.

Description

von Willebrand Factor (vWF) is a glycoprotein produced by bone marrow cells and endothelial cells lining the inside surface of blood vessels. Its primary function is platelet adhesion, binding to Factor VIII, collagen and platelets, to coagulate blood at the site of wounding. The enzyme VWFCP, or vWF-cleaving protease, facilitates clotting by cutting the protein into subunits, increasing its binding capacity.

Deficiency or dysfunction of the protein increases the tendency of wounds to bleed, or to bleed more. Over 300 gene mutations have been identified and classified into three types. Type 1 von Willebrand Factor disease is characterized by reduced amounts in the bloodstream, Type 2 by reduced binding ability and Type 3 by a nonfunctional protein.

Application Notes

Variations in protocols, secondaries and substrates may require the von Willebrand Factor antibody to be titered for optimal performance.

1. FFPE staining 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 recombinant human protein fragment (within amino acids 845-949) was used as the immunogen for this von Willebrand Factor antibody.

Storage

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

Alternate Names

Coagulation Factor VIII, F8VWF, von Willebrand Disease antibody, vWD, vWF, von Willebrand Factor antibody

References (2)