

Product datasheet for **SP1313S**

Von Willebrand Factor (VWF) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FC, ID, IF, IHC
Recommended Dilution:	Immunodiffusion: Neat. ELISA. Flow Cytometry. Immunofluorescence. Immunohistochemistry on Frozen Sections: The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. The use of acetone fixation is recommended for frozen sections. Recommended Positive Control: Tonsil. Does not work on paraffin sections!.
Reactivity:	Human
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified Human von Willebrand factor.
Specificity:	This antibody recognizes Human Willebrand factor VIII. Other species not tested.
Formulation:	Glycine buffered saline pH 7.4, 0.01% Benzamidine, 0.1% EACA and 1mM EDTA State: Purified State: Liquid purified IgG fraction from Serum Preservative: 0.09% Sodium Azide
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	von Willebrand factor
Database Link:	Entrez Gene 7450 Human P04275



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Background:

Von Willebrand Factor (VWF) was previously known as Factor VIII related antigen. VWF is synthesized exclusively by endothelial cells and megakaryocytes, and stored in the intracellular granules or constitutively secreted into plasma. This glycoprotein functions as both an antihemophilic factor carrier and a platelet vessel wall mediator in the blood coagulation system. Important in the maintenance of homeostasis, it participates in platelet vessel wall interactions by forming a noncovalent complex with coagulation factor VIII at the site of vascular injury. The Von Willebrand factor has functional binding domains to platelet glycoprotein Ib, glycoprotein IIb/IIIa, collagen and heparin. Mutations in this gene or deficiencies in this protein result in Von Willebrand's disease. VWD is characterized by frequent bleeding (gingival, minor skin quantitative lacerations, menorrhagia, etc.).

Synonyms:

vWF, von Willebrand antigen 2, von Willebrand antigen II, F8VWF, Factor VIII Related Antigen