VWF Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	VWF, Polyclonal Antibody
Full Product Name	VWF antibody
Product Gene Name	anti-VWF antibody
Product Synonym Names	Polyclonal VWF; Anti-VWF; Von Willebrand Factor
Clonality	Polyclonal
Isotype	IgG
Host	Goat
Form/Format	Supplied in liquid form with 10 mM HEPES, pH 7.4, 150 mM NaCl, 50% (v/v) glycerol.
Purity/Purification	VWF antibody was purified by affinity chromatography
Specificity	Human vWF
Preparation and Storage	Store at -10 to -20 degree C. Product will become viscous but will not freeze. Avoid storage in frost-free freezers. Allow product to warm to room temperature and gently mix before use.
Molecular Weight	309,102 Da
3D Structure	ModBase 3D Structure for Q2I0J7
Immunogen	VWF antibody was raised in goat using human vWF purified from plasma as the immunogen.
Product Categories/Family for anti-VWF antibody	Cell Biology; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-VWF antibody	User optimized
Related Product Information for anti-VWF antibody	MBS835034 is an antibody targeting VWF. Also known as VWF antibody. Host: Goat. Affinity purified goat polyclonal VWF antibody
Other Notes	Small volumes of anti-VWF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VWF. It may not necessarily be applicable to this product.

NCBI GI #	86129842
NCBI GeneID	22371
NCBI Accession #	ABC86573.1
UniProt Primary Accession #	Q2I0J7
UniProt Related Accession #	Q8CIZ8
NCBI Official Full Name	VWF
NCBI Official Synonym Full Names	Von Willebrand factor homolog

NCBI Official Symbol	Vwf
NCBI Official Synonym Symbols	VWD; F8VWF; AI551257; C630030D09; 6820430P06Rik; B130011O06Rik
UniProt Protein Name	VWF
UniProt Synonym Protein Names	VWF
Protein Family	von Willebrand factor
UniProt Gene Name	Vwf
UniProt Entry Name	Q2I0J7_MOUSE
NCBI Protein Information	von Willebrand factor
UniProt Comments for VWF	VWF: Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma. Defects in VWF are the cause of von Willebrand disease type 1 (VWD1). A common hemorrhagic disorder due to defects in von Willebrand factor protein and resulting in impaired platelet aggregation. Von Willebrand disease type 1 is characterized by partial quantitative deficiency of circulating von Willebrand factor, that is otherwise structurally and functionally normal. Clinical manifestations are mucocutaneous bleeding, such as epistaxis and menorrhagia, and prolonged bleeding after surgery or trauma. Defects in VWF are the cause of von Willebrand disease type 2 (VWD2). A hemorrhagic disorder due to defects in von Willebrand factor protein and resulting in impaired platelet aggregation. Von Willebrand disease type 2 is characterized by qualitative deficiency and functional anomalies of von Willebrand factor. It is divided in different subtypes including 2A, 2B, 2M and 2N (Normandy variant). The mutant VWF protein in types 2A, 2B and 2M are defective in their platelet- dependent function, whereas the mutant protein in type 2N is defective in its ability to bind factor VIII. Clinical manifestations are mucocutaneous bleeding, such as epistaxis and menorrhagia, and prolonged bleeding after surgery or trauma. Defects in VWF are the cause of von Willebrand disease type 3 (VWD3). A severe hemorrhagic disorder due to a total or near total absence of von Willebrand factor in the plasma and cellular compartments, also leading to a profound deficiency of plasmatic factor VIII. Bleeding usually starts in infancy and can include epistaxis, recurrent mucocutaneous bleeding, excessive bleeding after minor trauma, and hemarthroses. Protein type: Secreted, signal peptide; Motility/polarity/chemotaxis; Cell adhesion; Secreted; Extracellular matrix Cellular Component: extracellular matrix; proteinaceous extracellular matrix; endoplasmic reticulum; extracellular region; external side of plasma membrane Molecular Function: integrin binding; collagen binding; identical protein binding; protein binding; protein homodimerization activity; protease binding; chaperone binding; immunoglobulin binding; protein N-terminus binding; glycoprotein binding Biological Process: platelet activation; hemostasis; blood coagulation; liver development; cell adhesion; protein homooligomerization; cell-substrate adhesion; placenta development
Research Articles on VWF	**1.** We conclude that TSP1 released from platelets plays a mechanistic role in modulating thrombosis in the presence of von Willebrand factor
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