Von Willebrand Factor Cleaving Protease (VWF-CP) ELISA Kit for Pigeon

PRODUCT OVERVIEW

Product Name	Von Willebrand Factor Cleaving Protease (VWF-CP), ELISA Kit
Full Product Name	Pigeon Von Willebrand Factor Cleaving Protease ELISA Kit
Product Gene Name	VWF-CP elisa kit
Species Reactivity	Pigeon
Preparation and Storage	Store all reagents at 2-8 degree C
Related Product Information for VWF-CP elisa kit	MBS071121 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Von Willebrand Factor Cleaving Protease (VWF-CP) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing VWF-CP. The ELISA analytical biochemical technique of the MBS071121 kit is based on VWF-CP antibody-VWF-CP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect VWF-CP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, VWF-CP. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of VWF-CP elisa kit 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-CP. It may not necessarily be applicable to this product.

NCBI GI #	16117338
NCBI Accession #	BAB69487.2
NCBI Official Full Name	von Willebrand factor-cleaving protease
Protein Family	A disintegrin and metalloproteinase with thrombospondin motifs
NCBI Summary for VWF-CP	This gene encodes a member of a family of proteins containing several distinct regions, including a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. The enzyme encoded by this gene specifically cleaves von Willebrand Factor (vWF). Defects in this gene are associated with thrombotic thrombocytopenic purpura. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

UniProt Comments for VWF-CP	ADAMTS13: Cleaves the vWF multimers in plasma into smaller forms. Defects in ADAMTS13 are the cause of thrombotic thrombocytopenic purpura congenital (TTP); also known as Upshaw-Schulman syndrome (USS). A hematologic disease characterized by hemolytic anemia with fragmentation of erythrocytes, thrombocytopenia, diffuse and non-focal neurologic findings, decreased renal function and fever. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Motility/polarity/chemotaxis; Secreted, signal peptide; Calcium-binding; Protease; EC 3.4.24.87; Extracellular matrix Chromosomal Location of Human Ortholog: 9q34 Cellular Component: proteinaceous extracellular matrix; extracellular space; cell surface; endoplasmic reticulum lumen Molecular Function: integrin binding; protein binding; zinc ion binding; metallopeptidase activity; metalloendopeptidase activity; calcium ion binding Biological Process: integrin-mediated signaling pathway; platelet activation; protein amino acid O-linked glycosylation; cellular protein metabolic process; glycoprotein metabolic process; response to toxin; peptide catabolic process; cell-matrix adhesion; protein processing; post-translational protein modification; proteolysis Disease: Thrombotic Thrombocytopenic Purpura, Congenital
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