

Human Von Willebrand Factor Cleaving Protease (vWFCP) ELISA Kit | vWFCP elisa kit

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CATALOG #
AAA138948

REACTIVITY
Human

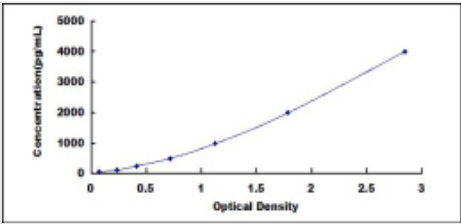
PRODUCT SYNONYMS

Von Willebrand Factor Cleaving Protease (vWFCP); Human Von Willebrand Factor Cleaving Protease (vWFCP) ELISA Kit; ADAMTS13; TTP; vWF-cp; vWF-cleaving protease; A Disintegrin And Metalloproteinase With A Thrombospondin Type 1 Motif Member 13; vWFCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Von Willebrand Factor Cleaving Protease (vWFCP). No significant cross-reactivity or interference between Von Willebrand Factor Cleaving Protease (vWFCP) and analogues was observed.
Sequence Length	364
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Von Willebrand Factor Cleaving Protease (vWFCP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Von Willebrand Factor Cleaving Protease (vWFCP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for vWFCP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Von Willebrand Factor Cleaving Protease (vWFCP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Von Willebrand Factor Cleaving Protease (vWFCP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Von Willebrand Factor Cleaving Protease (vWFCP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Von Willebrand Factor Cleaving Protease (vWFCP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for vWFCP elisa kit	Enzyme & Kinase; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306598
NCBI GeneID	11093
Molecular Weight	39,864 Da
NCBI Official Full Name	von Willebrand factor-cleaving protease
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 13
NCBI Official Symbol	ADAMTS13
NCBI Official Synonym Symbols	VWFCP; C9orf8; vWF-CP; ADAM-TS13; ADAMTS-13
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Gene Name	ADAMTS13
UniProt Synonym Gene Names	C9orf8; ADAM-TS 13; ADAM-TS13; ADAMTS-13; vWF-CP; vWF-cleaving protease
UniProt Entry Name	ATS13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.