

Human ADAMTS13 ELISA Kit | ADAMTS13 elisa kit

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CATALOG #
AAA27868

REACTIVITY
Human

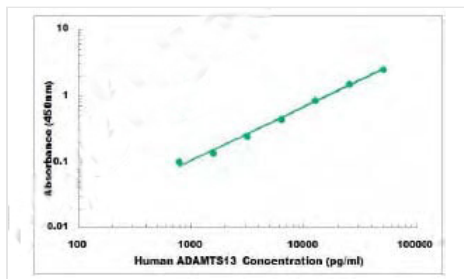
PRODUCT SYNONYMS

ADAMTS13; Human ADAMTS13 ELISA Kit; C9orf8; A disintegrin and metalloproteinase with thrombospondin motifs 13; ADAM-TS 13; ADAM-TS13; ADAMTS-13; von Willebrand factor-cleaving protease; vWF-CP; vWF-cleaving protease; ADAMTS13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human ADAMTS13 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human ADAMTS13 proteins within the range of 780 pg/ml - 50000 pg/ml.
Sequence Length	1427
Samples	Cell culture supernates, serum, plasma
Sensitivity	< 20 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS13 elisa kit

Principle of the Assay: The Human ADAMTS13 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human ADAMTS13 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human ADAMTS13 coated on a 96-well plate. Standards and samples are pipetted into the wells and ADAMTS13 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human ADAMTS13 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ADAMTS13 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: ADAMTS13 is a zinc-containing metalloprotease enzyme. The ADAMTS13 gene is mapped to chromosome 9q34 by genomic sequence analysis. It is reported that a metal-containing proteolytic enzyme (metalloprotease) in normal plasma cleaves the peptide bond between tyrosine at position 842 and methionine at position 843 in monomeric subunits of von Willebrand factor, thereby degrading the large multimers. And it is confirmed that the ADAMTS13 gene encodes the von Willebrand factor-cleaving protease (VWF-CP). ADAMTS13 is secreted in blood and degrades large vWf multimers, decreasing their activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21265034
NCBI GeneID	11093
NCBI Accession #	NP_620594.1
NCBI GenBank Nucleotide #	NM_139025.4
UniProt Accession #	Q76LX8; Q6UY16; Q710F6; Q711T8; Q96L37; Q9H0G3; Q9UGQ1
Molecular Weight	39,864 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 13 isoform 1 preproprotein
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/adamts13/27868>