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ADAMTS13 ELISA Kit



Image



Go to Product page

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Quantity:	1 kit
Target:	ADAMTS13
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: A disintegrin and metalloproteinase with thrombospondin motifs 13, A disintegrin
	like and metalloprotease with thrombospondin type 1 motif 13, A disintegrin-like and
	metalloprotease (Reprolysin type) with thrombospondin type 1 motif 13, ADAM
	metallopeptidase with thrombospondin type 1 motif 13, ADAM TS, ADAMTS 13, ADAMTS13,
	ADAMTS13 protein, ATS13_HUMAN, TTP, Von Willebrand factor cleaving protease, vWF
	cleaving protease, vWFCP
	Background: 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 (VWFCP). ADAMTS13 is secreted in blood and degrades large vWf multimers, decreasing their activity.

Gene Name: ADAMTS13

Production: Natural and recombinant human ADAMTS13. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: Q34-W688

Target Details

Target:	ADAMTS13	
Alternative Name:	ADAMTS13 (ADAMTS13 Products)	
Gene ID:	11093	
NCBI Accession:	NP_620594	
UniProt:	Q76LX8	

Application Details

Application Notes:

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL human ADAMTS13 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. We recommend that each human ADAMTS13 standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 0.78 ng/mL-50 ng/mL

Sample Volume: 100 µL

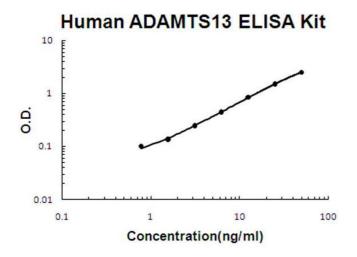
Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at
	room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid
	cycles of freezing and thawing.

Images



ELISA

Image 1. Human ADAMTS13 Accusignal ELISA Kit Human ADAMTS13 AccuSignal ELISA Kit standard curve. Assay Range: 0.78ng/ml-50ng/ml. Sensitivity: <20pg/ml.