

Human ADAMTS4 ELISA Kit | ADAMTS4 elisa kit

Human ADAMTS4 (ADAM with Thrombospondin Type 1 Motif 4) ELISA Kit

CATALOG #
AAA163895

REACTIVITY
Human

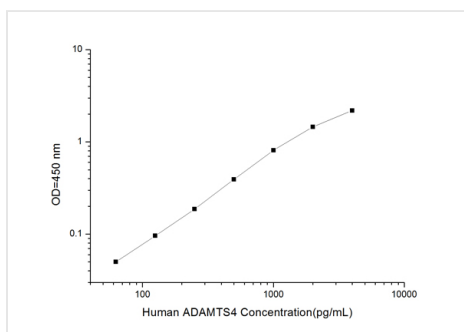
PRODUCT SYNONYMS

ADAMTS4; Human ADAMTS4 (ADAM with Thrombospondin Type 1 Motif 4) ELISA Kit; ADAMTS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human ADAMTS12 in samples. No significant cross-reactivity or interference between HumanADAMTS12and analogues was observed.
Sequence Length	837
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, midrange and high level HumanADAMTS12were tested 20 times on one plate, respectively
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, midrange and high level HumanADAMTS12were testedon 3 different plates, 20replicates in eachplate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human ADAMTS12 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human ADAMTS12. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human ADAMTS12 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human ADAMTS12, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human ADAMTS12. You can calculate the concentration of Human ADAMTS12in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157427675
NCBI GeneID	9507
NCBI Accession #	NP_005090.3
NCBI GenBank Nucleotide #	NM_005099.4
Molecular Weight	83,030 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 4 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 4
NCBI Official Symbol	ADAMTS4
NCBI Official Synonym Symbols	ADMP-1; ADAMTS-2; ADAMTS-4
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 4; ADAM-TS 4; ADAM-TS4; a disintegrin-like and metalloprotease (repolyisin type) with thrombospondin type 1 motif, 4; aggrecanase-1
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 4
UniProt Gene Name	ADAMTS4
UniProt Synonym Gene Names	KIAA0688; ADAM-TS 4; ADAM-TS4; ADAMTS-4
UniProt Entry Name	ATS4_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.