

Human A Disintegrin And Metalloproteinase With Thrombospondin 12 (ADAMTS12) ELISA Kit | ADAMTS12 elisa kit

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CATALOG # AAA151145	REACTIVITY Human
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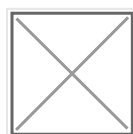
PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin 12 (ADAMTS12); Human A Disintegrin And Metalloproteinase With Thrombospondin 12 (ADAMTS12) ELISA Kit; ADAMTS12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADAMTS12. No significant cross-reactivity or interference between ADAMTS12 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADAMTS12 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADAMTS12 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS12 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ADAMTS12. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ADAMTS12. 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 ADAMTS12, 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 $\pm$ 10nm. The concentration of ADAMTS12 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADAMTS12 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ADAMTS12 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	51558724
NCBI GeneID	81792
NCBI Accession #	NP_112217.2
NCBI GenBank Nucleotide #	NM_030955.3
UniProt Accession #	P58397; Q6UWL3; A2RRN9; A5D6V6
Molecular Weight	168,460 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 12 isoform 1 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 12
NCBI Official Symbol	ADAMTS12
NCBI Official Synonym Symbols	PRO4389
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 12
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 12
UniProt Gene Name	ADAMTS12
UniProt Synonym Gene Names	ADAM-TS 12; ADAM-TS12; ADAMTS-12

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/a-disintegrin-and-metalloproteinase-with-thrombospondin-12-adamts12/151145>