

Human ADAM metallopeptidase with thrombospondin type 1 motif, 9 ELISA Kit | ADAMTS9 elisa kit

Human A disintegrin and metalloproteinase with thrombospondin motifs 9, ADAMTS9 ELISA Kit

CATALOG #
AAA112905

REACTIVITY
Human

PRODUCT SYNONYMS

ADAM metallopeptidase with thrombospondin type 1 motif, 9; Human A disintegrin and metalloproteinase with thrombospondin motifs 9; ADAMTS9 ELISA Kit; Human A disintegrin and metalloproteinase with thrombospondin motifs 9 (ADAMTS9) ELISA kit; FLJ42955; KIAA1312; a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif; ADAMTS9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ADAMTS9. No significant cross-reactivity or interference between human ADAMTS9 and analogues was observed.
Sequence Length	1935
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	0.78 ng/ml - 50 ng/ml.
Sensitivity	The minimum detectable dose of human ADAMTS9 is typically less than 0.195 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS9 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ADAMTS9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAMTS9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS9 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADAMTS9 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33624896
NCBI GeneID	56999
NCBI Accession #	NP_891550.1
NCBI GenBank Nucleotide #	NM_182920.1
UniProt Accession #	Q9P2N4; Q9NR29; A1L4L0; B7ZVX9; B9ZVNO
Molecular Weight	216,491 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 9 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 9
NCBI Official Symbol	ADAMTS9
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 9; ADAM-TS9; ADAMTS-9; ADAM-TS 9; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 9
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 9
UniProt Gene Name	ADAMTS9
UniProt Synonym Gene Names	KIAA1312; ADAM-TS 9; ADAM-TS9; ADAMTS-9
UniProt Entry Name	ATS9_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.