

Human ADAMTS1 ELISA Kit | ADAMTS1 elisa kit

Human ADAMTS1 PicoKine ELISA Kit

CATALOG #
AAA45773

REACTIVITY
Human

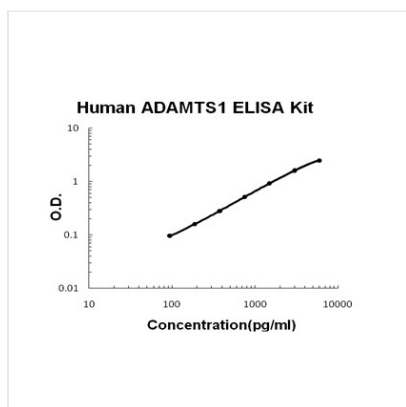
PRODUCT SYNONYMS

ADAMTS1; Human ADAMTS1 PicoKine ELISA Kit; A disintegrin and metalloproteinase with thrombospondin motifs 1; ADAM metalloproteinase with thrombospondin type 1 motif 1; 1; A disintegrin like and metalloproteinase with thrombospondin type 1 motif 1; A disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif 1; ADAM metalloproteinase with thrombospondin type 1 motif 1; ADAM TS 1; ADAM TS1; ADAM-TS 1; ADAM-TS1; ADAMTS 1; ADAMTS; ADAMTS-1; Adamts1; ATS1_HUMAN; C3 C5; KIAA1346; METH 1; METH-1; METH1; ADAMTS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ADAMTS1
Sequence Length	967
Samples	Cell culture supernates, serum and plasma(heparin).
Assay Type	Sandwich
Detection Range	93.8pg/ml-6000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human ADAMTS1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ADAMTS1 elisa kit	Principle of the Assay: Human ADAMTS1 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for ADAMTS1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: F253-A734) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ADAMTS1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human ADAMTS1 amount of sample captured in plate. Background/Introduction: ADAMTS1 (A Disintegrin-Like and Metalloproteinase with Thrombospondin Type 1 Motif, 1), also known as METH1, is an enzyme that in humans is encoded by the ADAMTS1 gene. ADAMTS is a family of proteins believed to be anchored to the extracellular matrix (ECM) through interactions with aggrecan or other matrix components by one or more thrombospondin type 1 motifs. ADAMTS1 gene is mapped to 21q21.2 based on sequence similarity between the ADAMTS1 sequence and a chromosome 21q21.2 clone. It has been found that ADAMTS1 can disrupt angiogenesis in vivo and in vitro more efficiently than ADAMTS8, THBS1, or endostatin. What's more, ADAMTS1 disrupts angiogenesis in vivo and in vitro more efficiently than ADAMTS8, THBS1, or endostatin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124053460
NCBI GeneID	9510
UniProt Accession #	Q9UHI8; Q9NSJ8; Q9P2K0; Q9UH83; Q9UP80; D3DSD5
Molecular Weight	105,358 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 1
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 1
NCBI Official Symbol	ADAMTS1
NCBI Official Synonym Symbols	C3-C5; METH1
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 1; METH-1; ADAM-TS1; ADAMTS-1; ADAM-TS 1; human metalloproteinase with thrombospondin type 1 motifs; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 1
UniProt Gene Name	ADAMTS1
UniProt Synonym Gene Names	KIAA1346; METH1; ADAM-TS 1; ADAM-TS1; ADAMTS-1
UniProt Entry Name	ATS1_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.