

Human A Disintegrin And Metalloproteinase With Thrombospondin Motifs 7 (ADAMTS7) ELISA Kit | ADAMTS7 elisa kit

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CATALOG # AAA331112	REACTIVITY Human
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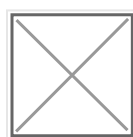
PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin Motifs 7 (ADAMTS7); Human A Disintegrin And Metalloproteinase With Thrombospondin Motifs 7 (ADAMTS7) ELISA Kit; ADAMTS7; ADAM-TS7; DKFZp434H204; COMPase; a disintegrin and metalloprotease with thrombospondin motifs-7 preproprotein; a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif; ADAMTS7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human A disintegrin and metalloproteinase with thrombospondin motifs 7 (ADAMTS7) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADAMTS7. No significant cross-reactivity or interference between Human ADAMTS7 and analogues was observed.
Sequence Length	1686
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human A disintegrin and metalloproteinase with thrombospondin motifs 7 (ADAMTS7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADAMTS7 elisa kit	Description: This Human A disintegrin and metalloproteinase with thrombospondin motifs 7 (ADAMTS7) ELISA Kit employs a two-site sandwich ELISA to quantitate ADAMTS7 in samples. An antibody specific for ADAMTS7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAMTS7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS7 is added to the wells. After washing, Streptavidin 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 ADAMTS7 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADAMTS7 is a member of the ADAM protein family. The gene is expressed in human brain, heart, lung, liver, pancreas, kidney, skeletal muscle, and placenta. The murine protein is expressed at low levels throughout mouse development. The predicted 997-amino acid ADAMTS7 protein has a domain structure characteristic of ADAMTSs. The mature ADAMTS7 protein has 2 potential N-linked glycosylation sites. Northern blot analysis detected a 5-kb ADAMTS7 transcript in all human tissues examined, namely brain, heart, lung, liver, pancreas, kidney, skeletal muscle, and placenta; skeletal muscle expressed an additional 7-kb transcript. Mouse Adamts7 was expressed at low levels throughout mouse development.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38683827
NCBI GeneID	11173
NCBI Accession #	NP_055087.2
NCBI GenBank Nucleotide #	NP_055087.2
UniProt Accession #	Q9UKP4
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 7 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 7
NCBI Official Symbol	ADAMTS7
NCBI Official Synonym Symbols	ADAM-TS7; ADAMTS-7; ADAM-TS 7
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 7
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 7
UniProt Gene Name	ADAMTS7
UniProt Synonym Gene Names	ADAM-TS 7; ADAM-TS7; ADAMTS-7
UniProt Entry Name	ATS7_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/a-disintegrin-and-metalloproteinase-with-thrombospondin-motifs-7-adamts7/331112>