Human A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7 ELISA Kit | ADAMTS7 elisa kit

Human A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7 ELISA Kit

CATALOG #	REACTIVITY
AAA87197	**Human**

PRODUCT SYNONYMS

A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7; Human A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7 ELISA Kit; ADAMTS7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	250-5000 pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS7 elisa kit	**Intended Uses:** This ADAMTS7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADAMTS7. This ELISA kit for research use only! **Principle of the Assay:** ADAMTS7 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ADAMTS7. Standards or samples are then added to the microtiter plate wells and ADAMTS7 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ADAMTS7 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ADAMTS7 are added to each well to "sandwich" the ADAMTS7 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ADAMTS7 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADAMTS7 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ADAMTS7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	38683827
NCBI GeneID	11173
NCBI Accession #	NP_055087.2
NCBI GenBank Nucleotide #	NM_014272.3
Molecular Weight	184,095 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 7 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase 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; COMPase; a disintegrin and metalloprotease with thrombospondin motifs-7 preproprotein; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 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.

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Online datasheet: https://stage.aaabiotech.com/adamts7-human-elisa-kits/a-disintegrin-like-and-metalloproteinase-with-thrombospondin-type-1-motif-7/87197