

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

Rat A Disintegrin And Metalloproteinase With Thrombospondin 7 (ADAMTS7) ELISA Kit

CATALOG # AAA66571	REACTIVITY Rat
------------------------------	--------------------------

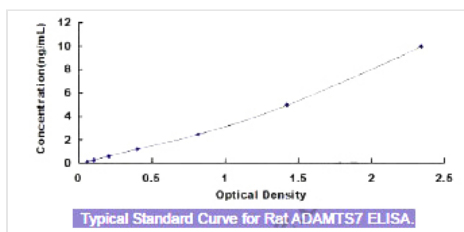
PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin 7 (ADAMTS7); Rat A Disintegrin And Metalloproteinase With Thrombospondin 7 (ADAMTS7) ELISA Kit; COMPase; ADAMTS7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADAMTS7. No significant cross-reactivity or interference between ADAMTS7 and analogues was observed.
Sequence Length	1808
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADAMTS7 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 ADAMTS7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADAMTS7 in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADAMTS7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADAMTS7. 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 ADAMTS7, 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 +/- 10nm. The concentration of ADAMTS7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	114052955
NCBI GeneID	315879
NCBI Accession #	NP_001040566.1
NCBI GenBank Nucleotide #	NM_001047101.1
UniProt Accession #	Q1EHB3; Q1XD63
Molecular Weight	199,891 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 7
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 7
NCBI Official Symbol	Adamts7
NCBI Official Synonym Symbols	COMPase; ADAMTS7B
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

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/rat-elisa-kits/a-disintegrin-and-metalloproteinase-with-thrombospondin-7-adamts7/66571>