

Rat A Disintegrin And Metalloproteinase With Thrombospondin 5 (ADAMTS5) ELISA Kit | ADAMTS5 elisa kit

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CATALOG # AAA67238	REACTIVITY Rat
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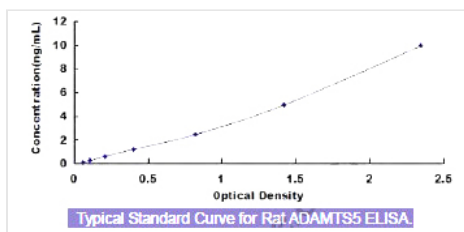
PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin 5 (ADAMTS5); Rat A Disintegrin And Metalloproteinase With Thrombospondin 5 (ADAMTS5) ELISA Kit; ADMP-2; Aggrecanase-2; ADAMTS5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADAMTS5. No significant cross-reactivity or interference between ADAMTS5 and analogues was observed.
Sequence Length	928
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADAMTS5 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 ADAMTS5 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 ADAMTS5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADAMTS5 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADAMTS5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADAMTS5. 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 ADAMTS5, 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 ADAMTS5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38454260
NCBI GeneID	304135
NCBI Accession #	NP_942056.1
NCBI GenBank Nucleotide #	NM_198761.1
UniProt Accession #	Q6TY19
Molecular Weight	101,798 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 5
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 5
NCBI Official Symbol	Adamts5
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 5
UniProt Protein Name	ADAMTS5
UniProt Gene Name	Adamts5

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/rat-elisa-kits/a-disintegrin-and-metalloproteinase-with-thrombospondin-5-adamts5/67238>