

Rat A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4) ELISA Kit | ADAMTS4 elisa kit

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CATALOG # AAA67057	REACTIVITY Rat
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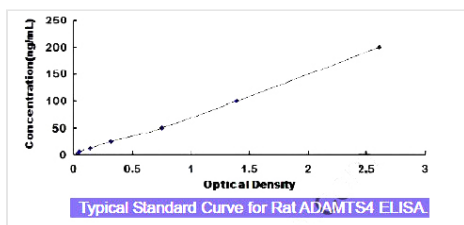
PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4); Rat A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4) ELISA Kit; ADMP-1; Aggrecanase-1; ADAMTS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADAMTS4. No significant cross-reactivity or interference between ADAMTS4 and analogues was observed.
Sequence Length	851
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	26.3pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADAMTS4 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 ADAMTS4 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 ADAMTS4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ADAMTS4 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADAMTS4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADAMTS4. 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 ADAMTS4, 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 ADAMTS4 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 #	281306771
NCBI GeneID	66015
NCBI Accession #	NP_076449.1
NCBI GenBank Nucleotide #	NM_023959.1
UniProt Accession #	Q9ESP7; Q9ESP6; Q9ESP8
Molecular Weight	68,385 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 4
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 4
NCBI Official Symbol	Adamts4
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 4
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 4
UniProt Gene Name	Adamts4
UniProt Synonym Gene Names	ADAM-TS 4; ADAM-TS4; ADAMTS-4

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-4-adamts4/67057>