

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

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CATALOG # AAA138953	REACTIVITY Human
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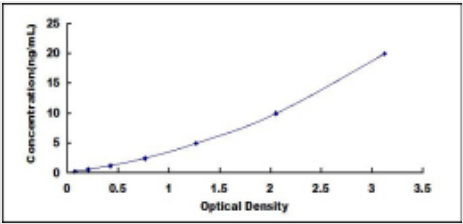
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4). No significant cross-reactivity or interference between A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4) and analogues was observed.
Sequence Length	777
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to A Disintegrin And Metalloproteinase With Thrombospondin 4 (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 A Disintegrin And Metalloproteinase With Thrombospondin 4 (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 A Disintegrin And Metalloproteinase With Thrombospondin 4 (ADAMTS4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ADAMTS4 elisa kit	Enzyme & Kinase; Tumor immunity; Infection immunity; Neuroscience; Rheumatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	157427675
NCBI GeneID	9507
NCBI Accession #	NP_005090.3
NCBI GenBank Nucleotide #	NM_005099.4
UniProt Accession #	O75173; Q2HYD0; Q5VTW2; Q6P4Q8; Q6UWA8; Q9UN83
Molecular Weight	83,030 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 4 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif, 4
NCBI Official Symbol	ADAMTS4
NCBI Official Synonym Symbols	ADMP-1; ADAMTS-2; ADAMTS-4
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	KIAA0688; ADAM-TS 4; ADAM-TS4; ADAMTS-4
UniProt Entry Name	ATS4_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.