

Rabbit A Disintegrin like and Metalloproteinase with Thrombospondin type 1 motif 4 ELISA Kit | ADAMTS4 elisa kit

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CATALOG #

AAA82651

REACTIVITY

Rabbit

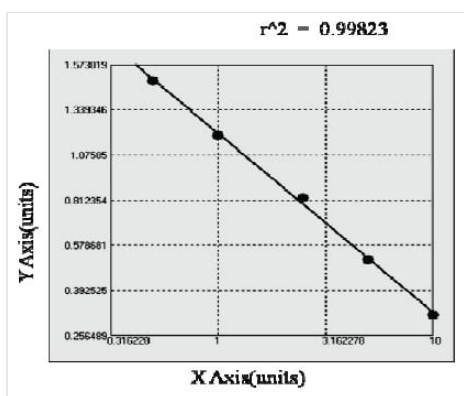
PRODUCT SYNONYMS

A Disintegrin like and Metalloproteinase with Thrombospondin type 1 motif 4; Rabbit A Disintegrin like and Metalloproteinase with Thrombospondin type 1 motif 4 ELISA Kit; ADAMTS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ADAMTS4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit ADAMTS4. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ADAMTS4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADAMTS4 antibody and an ADAMTS4-HRP conjugate. The assay sample and buffer are incubated together with ADAMTS4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ADAMTS4 concentration since ADAMTS4 from samples and ADAMTS4-HRP conjugate compete for the anti-ADAMTS4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADAMTS4 from the sample, fewer sites are left to bind ADAMTS4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADAMTS4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ADAMTS4 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	157427675
NCBI GeneID	9507
NCBI Accession #	NP_005090.3
NCBI GenBank Nucleotide #	NM_005099.4
Molecular Weight	90,197 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 4 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase 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; ADAM-TS4; ADAM-TS 4; aggrecanase-1; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 4
UniProt Gene Name	ADAMTS4
UniProt Synonym Gene Names	KIAA0688; UNQ769/PRO1563; 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.

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Online datasheet: <https://stage.aaabiotech.com/adamts4-rabbit-elisa-kits/a-disintegrin-like-and-metalloproteinase-with-thrombospondin-type-1-motif-4/82651>