

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

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CATALOG #
AAA87769

REACTIVITY
Mouse

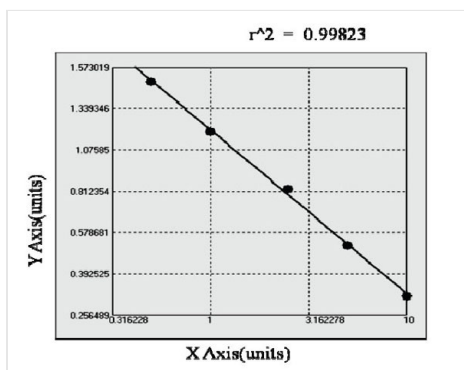
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ADAMTS4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ADAMTS4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit

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 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; ADAM-TS4; ADAM-TS 4; aggrecanase-1; a disintegrin-like and metalloproteinase (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-mouse-elisa-kits/a-disintegrin-like-and-metalloproteinase-with-thrombospondin-type-1-motif-4/87769>