

Sheep A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7 ELISA Kit | ADAMTS7 elisa kit

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CATALOG # AAA89875	REACTIVITY Sheep
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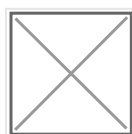
PRODUCT SYNONYMS

A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7; Sheep A Disintegrin Like and Metalloproteinase with Thrombospondin type 1 motif 7 ELISA Kit; ADAMTS7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 ADAMTS7 elisa kit	<p>For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate</p> <p>INTENDED USE This ADAMTS7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ADAMTS7. This ELISA kit for research use only! br></p> <p>PRINCIPLE OF THE ASSAY ADAMTS7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADAMTS7 antibody and an ADAMTS7-HRP conjugate. The assay sample and buffer are incubated together with ADAMTS7-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 ADAMTS7 concentration since ADAMTS7 from samples and ADAMTS7-HRP conjugate compete for the anti-ADAMTS7 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADAMTS7 from the sample, fewer sites are left to bind ADAMTS7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADAMTS7 concentration in each sample is interpolated from this standard curve.</p>
Product Categories/Family for ADAMTS7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	38683827
NCBI GeneID	11173
NCBI Accession #	NP_055087.2
NCBI GenBank Nucleotide #	NM_014272.3
Molecular Weight	184,095 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 7 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif, 7
NCBI Official Symbol	ADAMTS7
NCBI Official Synonym Symbols	ADAM-TS7; ADAMTS-7; ADAM-TS 7
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 7; COMPase; a disintegrin and metalloprotease with thrombospondin motifs-7 preproprotein; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 7
UniProt Gene Name	ADAMTS7
UniProt Synonym Gene Names	ADAM-TS 7; ADAM-TS7; ADAMTS-7
UniProt Entry Name	ATS7_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/adamts7-sheep-elisa-kits/a-disintegrin-like-and-metalloproteinase-with-thrombospondin-type-1-motif-7/89875>