

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

Human A Disintegrin like and Metalloproteinase with Thrombospondin type 1 motif 4 ELISA Kit

CATALOG # AAA16262	REACTIVITY Human
------------------------------	----------------------------

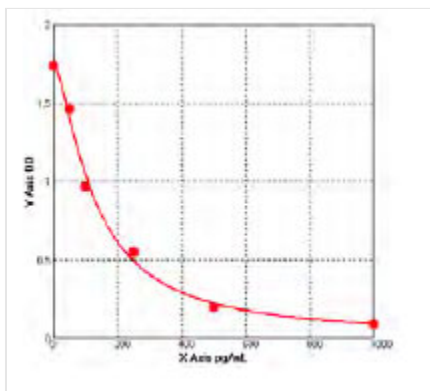
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADAMT1M4. No significant cross-reactivity or interference between ADAMT1M4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADAMT1M4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/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	Intended Uses: This ADAMT1M4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADAMT1M4. This ELISA kit for research use only! Principle of the Assay: ADAMT1M4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADAMT1M4 antibody and an ADAMT1M4-HRP conjugate. The assay sample and buffer are incubated together with ADAMT1M4-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 ADAMT1M4 concentration since ADAMT1M4 from samples and ADAMT1M4-HRP conjugate compete for the anti-ADAMT1M4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADAMT1M4 from the sample, fewer sites are left to bind ADAMT1M4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADAMT1M4 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.