Human ADAM metallopeptidase with thrombospondin type 1 motif, 4 ELISA Kit | ADAMTS4 elisa kit

human ADAM metallopeptidase with thrombospondin type 1 motif4, ADAMTS4 ELISA Kit

CATALOG #	REACTIVITY
AAA15398	**Human**

PRODUCT SYNONYMS

ADAM metallopeptidase with thrombospondin type 1 motif; 4; human ADAM metallopeptidase with thrombospondin type 1 motif4; ADAMTS4 ELISA Kit; ADAMTS-2; ADAMTS-4; ADMP-1; KIAA0688; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif; aggrecanase-1; ADAMTS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ADAMTS4. No significant cross-reactivity or interference between human ADAMTS4 and analogues was observed.
Sequence Length	837
Samples	Serum, plasma, cell culture supernates, tissue homogenates, cell lysates, urine
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ADAMTS4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAMTS4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADAMTS4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157427675
NCBI GeneID	9507
NCBI Accession #	NP_005090.3
NCBI GenBank Nucleotide #	NM_005099.4
UniProt Accession #	O75173; Q5VTW2; Q6P4Q8; Q6UWA8; Q9UN83
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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