A disintegrin and metalloproteinase with thrombospondin motifs 4 ELISA Kit | ADAMTS4 elisa kit

Human ADAMTS4 PicoKine ELISA Kit

CATALOG #	REACTIVITY
AAA46103	**Human. There is no detectable cross-reactivity with other relevant proteins.**

PRODUCT SYNONYMS

A disintegrin and metalloproteinase with thrombospondin motifs 4; Human ADAMTS4 PicoKine ELISA Kit; A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 4; A disintegrin like and metalloprotease with thrombospondin type 1 motif 4; ADAM metallopeptidase with thrombospondin type 1 motif 4; ADAM TS 4; ADAM TS4; ADAM-TS 4; ADAM-TS4; ADAMTS 2; ADAMTS 4; ADAMTS-4; ADAMTS2; ADAMTS4; ADAMTS4 protein; ADMP 1; ADMP-1; ADMP1; Aggrecanase 1; Aggrecanase-1; Aggrecanase1; ATS4_HUMAN; KIAA0688; ADAM metallopeptidase with thrombospondin type 1 motif; 4; ADAMTS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	837
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<20pg/ml
Immunogen	CHO, F213-C685
Intra-Assay Precision	Sample 1: n=16; Mean(ng/ml): 5.9; Standard deviation: 0.248; CV(%): 4.2 Sample 2: n=16; Mean(ng/ml): 12; Standard deviation: 0.612; CV(%): 5.1 Sample 3: n=16; Mean(ng/ml): 21; Standard deviation: 1.2; CV(%): 5.7
Inter-Assay Precision	Sample 1: n=24; Mean(ng/ml): 6.5; Standard deviation: 0.377; CV(%): 5.8 Sample 2: n=24; Mean(ng/ml): 14; Standard deviation: 0.882; CV(%): 6.3 Sample 3: n=24; Mean(ng/ml): 23; Standard deviation: 1.66; CV(%): 7.2
Assay Range	625pg/ml-40,000pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)
Human ADAMTS4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit	**Description:** Sandwich ELISA kit of Quantitative Detection for Human ADAMTS4 **Background:** ADAMTS4, A disintegrin and metalloproteinase with thrombospondin motifs 4 is an enzyme that in humans is encoded by the ADAMTS4 gene. ADAMTS4 is a member of the large ADAMTS family of zinc-dependent proteases. The human ADAMTS4 gene is mapped to chromosome 1 by somatic cell hybrid analysis. The enzyme encoded by this gene lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157427675
NCBI GeneID	9507
NCBI Accession #	NP_005090.3
NCBI GenBank Nucleotide #	NM_005099.4
UniProt Accession #	O75173; Q2HYD0; Q5VTW2; Q6P4Q8; Q6UWA8; Q9UN83
Molecular Weight	83,030 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; 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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