

Human ADAMTS4 ELISA Kit | ADAMTS4 elisa kit

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CATALOG # AAA261767	REACTIVITY Human	APPLICATIONS ELISA
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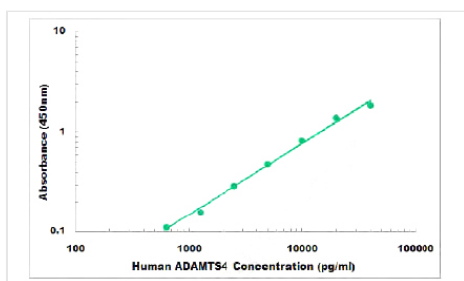
PRODUCT SYNONYMS

ADAMTS4; Human ADAMTS4 ELISA Kit; KIAA0688; A disintegrin and metalloproteinase with thrombospondin motifs 4; ADAM-TS 4; ADAM-TS4; ADAMTS-4; ADMP-1; Aggrecanase-1; ADAMTS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human ADAMTS4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human ADAMTS4 proteins within the range of 625 pg/ml - 40000 pg/ml.
Sequence Length	837
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	20 pg/ml.
Applicable Applications for ADAMTS4 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS4 elisa kit	Principle of the Assay The Human ADAMTS4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human ADAMTS4 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human ADAMTS4 coated on a 96-well plate. Standards and samples are pipetted into the wells and ADAMTS4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human ADAMTS4 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ADAMTS4 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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 brevicin, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevicin suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373445
NCBI GeneID	9507
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
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
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.