

Human A disintegrin and metalloproteinase with thrombospondin motifs 8 ELISA Kit | ADAMTS8 elisa kit

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CATALOG #

AAA17529

REACTIVITY

Human

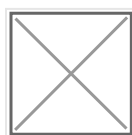
PRODUCT SYNONYMS

A disintegrin and metalloproteinase with thrombospondin motifs 8; Human A disintegrin and metalloproteinase with thrombospondin motifs 8 ELISA Kit; ADAMTS8/A disintegrin and metalloproteinase with thrombospondin motifs 8/ADAM-TS 8/ADAM-TS8/ADAMTS-8/METH-2/METH-8/METH2/ADAM metalloproteinase with thrombospondin type 1 motif; 8/ADAM-TS8A disintegrin and metalloproteinase with thrombospondin motifs 8; ADAMTS8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize ADAMTS8, no obvious cross reaction with other analogues
Sequence Length	889
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAMTS8 elisa kit	Background: ADAMTS-8, also designated METH-2, METH-8 or FLJ41712, along with ADAMTS-1 (METH-1, C3-C5), represent a new family of proteins with metalloprotease, disintegrin and Thrombospondin domains. ADAMTS-8 is highly expressed in adult and fetal lung tissue while detected at lower levels in heart, placenta, stomach, brain and kidney tissue. The spacer region and the Thrombospondin type I motifs in the carboxy-terminus of ADAMTS-8 are important for anchoring the protein to the extracellular matrix. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti ADAMTS8 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti ADAMTS8 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with ADAMTS8 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of ADAMTS8 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153792351
NCBI GeneID	11095
NCBI Accession #	NP_008968.4
NCBI GenBank Nucleotide #	NM_007037.4
Molecular Weight	96,460 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 8 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 8
NCBI Official Symbol	ADAMTS8
NCBI Official Synonym Symbols	METH2; ADAM-TS8
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 8
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 8
UniProt Gene Name	ADAMTS8
UniProt Synonym Gene Names	METH2; ADAM-TS 8; ADAM-TS8; ADAMTS-8
UniProt Entry Name	ATS8_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.