Rat ADAMTS5 (A Disintegrin And Metalloproteinase With Thrombospondin 5) ELISA Kit | ADAMTS5 elisa kit

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CATALOG #	REACTIVITY
AAA249007	**Rat**

PRODUCT SYNONYMS

ADAMTS5 (A Disintegrin And Metalloproteinase With Thrombospondin 5); Rat ADAMTS5 (A Disintegrin And Metalloproteinase With Thrombospondin 5) ELISA Kit; ADAMTS5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Adamts4. No significant cross-reactivity or interference between Adamts4 and analogues was observed.
Sequence Length	930
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Adamts4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Adamts4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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 ADAMTS5 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Adamts4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Adamts4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Adamts4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Adamts4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195539372
NCBI GeneID	11096
NCBI Accession #	NP_008969.2
NCBI GenBank Nucleotide #	NM_007038.5
UniProt Accession #	Q9UNA0; Q52LV4; Q9UKP2
Molecular Weight	101,718 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 5 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif 5
NCBI Official Symbol	ADAMTS5
NCBI Official Synonym Symbols	ADMP-2; ADAM-TS5; ADAMTS-5; ADAMTS11; ADAM-TS 5; ADAMTS-11; ADAM-TS 11
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 5
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 5
UniProt Gene Name	**ADAMTS5**
UniProt Synonym Gene Names	ADAMTS11; ADMP2; ADAM-TS 5; ADAM-TS5; ADAMTS-5; ADAM-TS 11; ADAMTS-11

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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Online datasheet: https://stage.aaabiotech.com/rat-elisa-kits/adamts5-a-disintegrin-and-metalloproteinase-with-thrombospondin-5/249007