

Human A Disintegrin And Metalloprotease 10 (ADAM10) ELISA Kit | ADAM10 elisa kit

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CATALOG #
AAA183930

REACTIVITY
Human

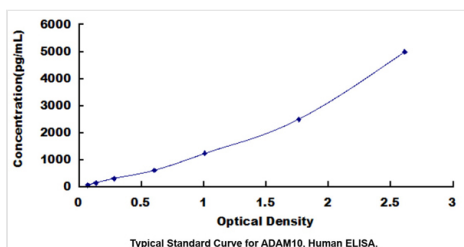
PRODUCT SYNONYMS

A Disintegrin And Metalloprotease 10 (ADAM10); Human A Disintegrin And Metalloprotease 10 (ADAM10) ELISA Kit; CD156-C; CD156c; MADM; Kuz; CDw156; Kuzbanian protein homolog; Mammalian disintegrin-metalloprotease; ADAM10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADAM10. No significant cross-reactivity or interference between ADAM10 and analogues was observed.
Sequence Length	1103
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 30pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADAM10 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADAM10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAM10 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ADAM10. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ADAM10. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ADAM10, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ADAM10 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADAM10 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	537544566
NCBI GeneID	81794
NCBI Accession #	NP_112219.3
NCBI GenBank Nucleotide #	NM_030957.3
UniProt Accession #	Q9H324; M0QZE4
Molecular Weight	62,530 Da
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 10 isoform 1 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 10
NCBI Official Symbol	ADAMTS10
NCBI Official Synonym Symbols	WMS; WMS1; ADAM-TS10; ADAMTS-10
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 10
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 10
UniProt Gene Name	ADAMTS10
UniProt Synonym Gene Names	ADAM-TS 10; ADAM-TS10; ADAMTS-10

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/human-elisa-kits/a-disintegrin-and-metalloprotease-10-adam10/183930>