

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

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CATALOG # AAA331110	REACTIVITY Human
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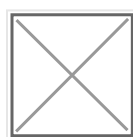
PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin Motifs 5 (ADAMTS5); Human A Disintegrin And Metalloproteinase With Thrombospondin Motifs 5 (ADAMTS5) ELISA Kit; ADAMTS5; ADAMTS11; ADMP-2; FLJ36738; a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif; 5 (aggrecanase-2); aggrecanase-2; ADAMTS5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human A disintegrin and metalloproteinase with thrombospondin motifs 5 (ADAMTS5) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADAMTS5. No significant cross-reactivity or interference between Human ADAMTS5 and analogues was observed.
Sequence Length	207
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human A disintegrin and metalloproteinase with thrombospondin motifs 5 (ADAMTS5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADAMTS5 elisa kit	<p>Description: This Human A disintegrin and metalloproteinase with thrombospondin motifs 5 (ADAMTS5) ELISA Kit employs a two-site sandwich ELISA to quantitate ADAMTS5 in samples. An antibody specific for ADAMTS5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAMTS5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADAMTS5 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: ADAMTS5 is a member of the ADAMTS protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage. Genetically modified mice in which the catalytic domain of ADAMTS5 was deleted are resistant to cartilage destruction in an experimental model of osteoarthritis. ADAMTS5 is the major aggrecanase in mouse cartilage in a mouse model of inflammatory arthritis.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11131363
NCBI GeneID	286805
UniProt Accession #	Q9TT92
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 5
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif 5
NCBI Official Symbol	ADAMTS5
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	ADAM-TS 5; ADAM-TS5; ADAMTS-5
UniProt Entry Name	ATS5_BOVIN

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.