

Human A Disintegrin And Metalloprotease 12 (ADAM12) ELISA Kit | ADAM12 elisa kit

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CATALOG #
AAA331099

REACTIVITY
Human

PRODUCT SYNONYMS

A Disintegrin And Metalloprotease 12 (ADAM12); Human A Disintegrin And Metalloprotease 12 (ADAM12) ELISA Kit; ADAM12; RP11-295J3.5; MCMP; MCMPMltna; MLTN; MLTNA; a disintegrin and metalloproteinase domain 12 (meltrin alpha); meltrin alpha; ADAM12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human A Disintegrin And Metalloprotease 12 (ADAM12) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADAM12. No significant cross-reactivity or interference between Human ADAM12 and analogues was observed.
Sequence Length	909
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* 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 Metalloprotease 12 (ADAM12) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADAM12 elisa kit	Description: This Human A Disintegrin And Metalloprotease 12 (ADAM12) ELISA Kit employs a two-site sandwich ELISA to quantitate ADAM12 in samples. An antibody specific for ADAM12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAM12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM12 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 ADAM12 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADAM12 encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This gene has two alternatively spliced transcripts: a shorter secreted form and a longer membrane-bound form. Similarly to myogenin, a marker of early muscle differentiation, mouse meltrin-alpha is expressed in neonatal muscle and bone, and its expression increases dramatically in response to the induction of differentiation. Immunocytochemical localization and functional expression studies suggested that meltrin-alpha may be involved in myotube formation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229463008
NCBI GeneID	8038
UniProt Accession #	O43184
NCBI Official Full Name	Disintegrin and metalloproteinase domain-containing protein 12
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 12
NCBI Official Symbol	ADAM12
NCBI Official Synonym Symbols	MCMP; MLTN; CAR10; MLTNA; MCMPMLtna; ADAM12-OT1
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 12
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 12
UniProt Gene Name	ADAM12
UniProt Synonym Gene Names	MLTN; ADAM 12
UniProt Entry Name	ADA12_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/a-disintegrin-and-metalloprotease-12-adam12/331099>