

Rat ADAM12 ELISA Kit | ADAM12 elisa kit

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CATALOG # AAA261784	REACTIVITY Rat	APPLICATIONS ELISA
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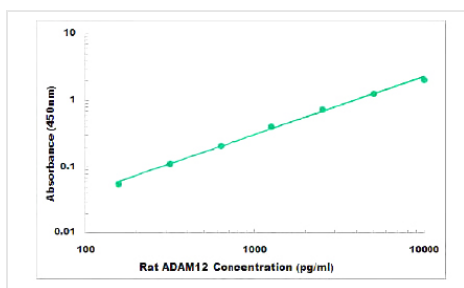
PRODUCT SYNONYMS

ADAM12; Rat ADAM12 ELISA Kit; MLTN; Disintegrin and metalloproteinase domain-containing protein 12; ADAM 12; Meltrin-alpha; ADAM12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat ADAM12 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat ADAM12 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	882
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for ADAM12 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAM12 elisa kit	Principle of the Assay The Rat ADAM12 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat ADAM12 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat ADAM12 coated on a 96-well plate. Standards and samples are pipetted into the wells and ADAM12 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat ADAM12 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ADAM12 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: ADAM12 (Disintegrin and metalloproteinase domain-containing protein 12), also known as MLTN, is an enzyme that in humans is encoded by the ADAM12 gene. This gene 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. The shorter form is found to stimulate myogenesis. By RT-PCR and immunoblot analyses that expression of mouse Adam12 increases during muscle regeneration, while the levels of other ADAMs remain constant. Immunofluorescence analysis revealed staining of small, newly formed muscle fibers in regenerating but not normal adult muscle cells. By using of fluorescence in situ hybridization, the ADAM12 gene is mapped to human chromosome 10q26.3.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	F1M9Z9
Molecular Weight	96,518 Da
UniProt Protein Name	Protein Adam12
UniProt Gene Name	Adam12
UniProt Entry Name	F1M9Z9_RAT

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://www.aaabiotech.com/rat-elisa-kits/adam12/261784>