

Human Matrilin-3 (MATN3) ELISA Kit | MATN3 elisa kit

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CATALOG #
AAA331859

REACTIVITY
Human

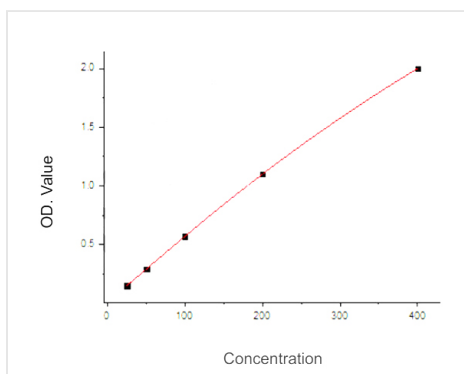
PRODUCT SYNONYMS

Matrilin-3 (MATN3); Human Matrilin-3 (MATN3) ELISA Kit; MATN3; DIPOA; EDM5; HOA; OADIP; OS2; MATN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrilin-3 (MATN3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MATN3. No significant cross-reactivity or interference between Human MATN3 and analogues was observed.
Sequence Length	486
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	25 pg/ml - 400 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MATN3 elisa kit	Background: Matr3(MATR3) is localized in the nuclear matrix. It may play a role in transcription or may interact with other nuclear matrix proteins to form the internal fibrogranular network. Two transcript variants encoding the same protein have been identified for this gene.The deduced 845-amino acid protein has a calculated molecular mass of approximately 95 kD. Its primary structure consists of 33% charged residues and is generally hydrophilic. Like the lamins, matr3-3 has a positively charged N terminus that contains a large number of amino acids with free hydroxyl groups. A highly acidic domain near the C terminus, in which 32% of the amino acids are acidic, is a characteristic found in other nuclear proteins. Principle of the Assay: Human Matrilin-3 (MATN3) ELISA Kit employs a two-site sandwich ELISA to quantitate MATN3 in samples. An antibody specific for MATN3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MATN3 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MATN3 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of MATN3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146218451
UniProt Accession #	O15232
NCBI Official Full Name	Matrilin 3
UniProt Protein Name	Matrilin-3
UniProt Gene Name	MATN3
UniProt Entry Name	MATN3_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/matrilin-3-matn3/331859>