

Human Matrilin-4 (MATN4) ELISA Kit | MATN4 elisa kit

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CATALOG #
AAA331858

REACTIVITY
Human

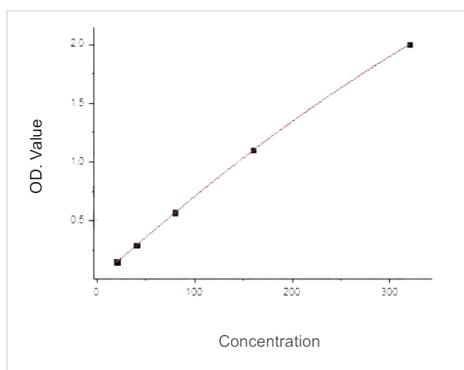
PRODUCT SYNONYMS

Matrilin-4 (MATN4); Human Matrilin-4 (MATN4) ELISA Kit; MATN4; FLJ14417; HE6WCR54; OTTHUMP00000031671; MATN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrilin-4 (MATN4) ELISA Kit has high sensitivity and excellent specificity for detection of Human MATN4. No significant cross-reactivity or interference between Human MATN4 and analogues was observed.
Sequence Length	622
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	20 pg/ml - 320 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 MATN4 elisa kit	Background: MATN4 encodes a member of von Willebrand factor A domain containing protein family. The proteins of this family are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. The specific function of this gene product has not yet been determined. Three alternatively spliced variants have been described. The human matrilin-4 gene contains 10 exons and spans approximately 12 kb. Alternative splicing leads to 3 different transcripts encoding protein isoforms that all contain a putative signal peptide, 2 vWFA-like domains, and the coiled-coil region. Principle of the Assay: Human Matrilin-4 (MATN4) ELISA Kit employs a two-site sandwich ELISA to quantitate MATN4 in samples. An antibody specific for MATN4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MATN4 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MATN4 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 MATN4 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 #	73920229
NCBI GeneID	8785
UniProt Accession #	O95460
NCBI Official Full Name	Matrilin-4
NCBI Official Synonym Full Names	matrilin 4
NCBI Official Symbol	MATN4
NCBI Protein Information	matrilin-4
UniProt Protein Name	Matrilin-4
UniProt Gene Name	MATN4
UniProt Entry Name	MATN4_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-4-matn4/331858>