

Human Matrilin-2 (MATN2) ELISA Kit | MATN2 elisa kit

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CATALOG #
AAA331860

REACTIVITY
Human

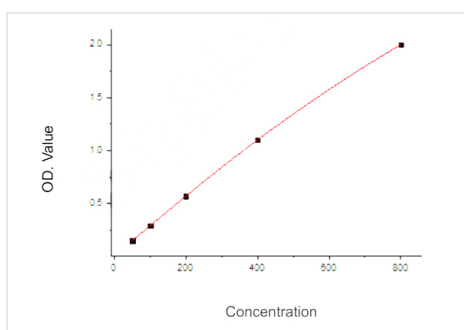
PRODUCT SYNONYMS

Matrilin-2 (MATN2); Human Matrilin-2 (MATN2) ELISA Kit; MATN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrilin-2 (MATN2) ELISA Kit has high sensitivity and excellent specificity for detection of Human MATN2. No significant cross-reactivity or interference between Human MATN2 and analogues was observed.
Sequence Length	956
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	50 pg/ml - 800 pg/ml
Sensitivity	< 5pg/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 MATN2 elisa kit	Background: Matrilin-2 is a member of the von Willebrand factor A domain containing protein family. This family of proteins is thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. The specific function of this gene has not yet been determined. Two transcript variants encoding different isoforms have been found for this gene. MATN2 contains 2 VWFA-like domains, 10 EGF-type modules, and an oligomerization module. RT-PCR demonstrated wide expression of MATN2 in human cell lines of fibroblastic or epithelial origin. Two mRNA transcripts were detected which differ from each other in a short region that is unique to matrilin-2; 19 triplets are included or spliced out of the mature mRNA as a result of alternative 3-prime splice site selection. Principle of the Assay: Human Matrilin-2 (MATN2) ELISA Kit employs a two-site sandwich ELISA to quantitate MATN2 in samples. An antibody specific for MATN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MATN2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MATN2 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 MATN2 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 #	62548860
NCBI GeneID	4147
NCBI Accession #	NP_002371.3
NCBI GenBank Nucleotide #	NP_002371.3
UniProt Accession #	O00339
NCBI Official Full Name	matrilin-2 isoform a
NCBI Official Synonym Full Names	matrilin 2
NCBI Official Symbol	MATN2
NCBI Protein Information	matrilin-2
UniProt Protein Name	Matrilin-2
UniProt Gene Name	MATN2
UniProt Entry Name	MATN2_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.