

Human Matrilin 2 ELISA Kit | MATN2 elisa kit

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CATALOG #
AAA266523

REACTIVITY
Human

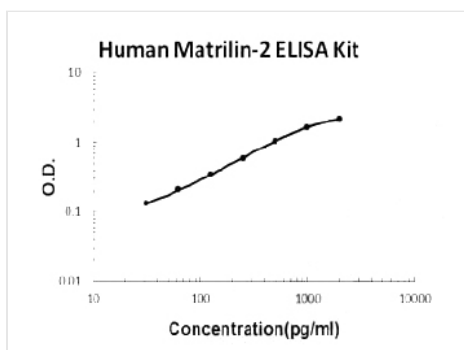
PRODUCT SYNONYMS

Matrilin 2; Human Matrilin 2 ELISA Kit; MATN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MATN2
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter- assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MATN2 elisa kit	Background: Matrilin-2 is a protein that in humans is encoded by the MATN2 gene. This gene is mapped to 8q22.1-q22.2. This gene encodes 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. This protein contains five von Willebrand factor A domains. The specific function of this gene has not yet been determined. Two transcript variants encoding different isoforms have been found for this gene. Principle of the Assay: To measure Human MATN2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human MATN2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MATN2 in the sample. Intended Uses: This kit is a solid-phase immunoassay specially designed to measure Human MATN2 with a 96-well strip plate that is pre-coated with antibody specific for MATN2. The detection antibody is a biotinylated antibody specific for MATN2. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human MATN2 protein as standards.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62548860
NCBI GeneID	4147
NCBI Accession #	NP_002371.3
NCBI GenBank Nucleotide #	NM_002380.3
UniProt Accession #	O00339; Q6UWA5; Q7Z5X1; Q8NDE6; Q96FT5; Q9NSZ1; A8K106; E7EW74; E9PD48; E9PGL2
Molecular Weight	106,837 Da
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.