

Human Matrilin 3 ELISA Kit | MATN3 elisa kit

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CATALOG #
AAA266524

REACTIVITY
Human

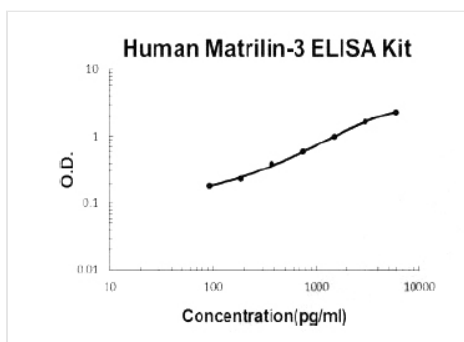
PRODUCT SYNONYMS

Matrilin 3; Human Matrilin 3 ELISA Kit; MATN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MATN3
Detection Range	93.7 pg/ml - 6,000 pg/ml
Sensitivity	<50 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 MATN3 elisa kit	Background: Matrilin-3 is a protein that in humans is encoded by the MATN3 gene. This gene is mapped to 2p24.1. This gene encodes a member of 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 two von Willebrand factor A domains; it is present in the cartilage extracellular matrix and has a role in the development and homeostasis of cartilage and bone. Mutations in this gene result in multiple epiphyseal dysplasia. Principle of the Assay: To measure Human MATN3, 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 MATN3 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 MATN3 in the sample. Intended Uses: This kit is a solid-phase immunoassay specially designed to measure Human MATN3 with a 96-well strip plate that is pre-coated with antibody specific for MATN3. The detection antibody is a biotinylated antibody specific for MATN3. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human MATN3 protein as standards.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146218451
NCBI GeneID	4148
UniProt Accession #	O15232; Q4ZG02; B2CPU0
Molecular Weight	48,317 Da
NCBI Official Full Name	Matrilin 3
NCBI Official Synonym Full Names	matrilin 3
NCBI Official Symbol	MATN3
NCBI Official Synonym Symbols	HOA; OS2; EDM5; DIPOA; OADIP
NCBI Protein Information	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.