

Mouse Matrilin-3 ELISA Kit | MATN3 elisa kit

Mouse Matrilin-3 PicoKine ELISA Kit

CATALOG #
AAA125236

REACTIVITY
Mouse

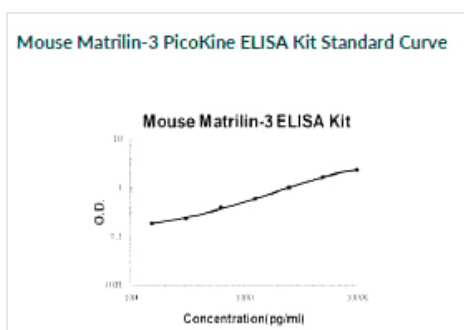
PRODUCT SYNONYMS

Matrilin-3; Mouse Matrilin-3 PicoKine ELISA Kit; Mouse Matrilin-3; matrilin 3; Matn3; MATN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Matn3
Sequence Length	481
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MATN3 elisa kit	Principle of the Assay: The Picokine™ Mouse Matn3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse 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 rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Matn3 with immunogen: Expression system for standard: NSO, Immunogen sequence: A28-R481. The kit is analytically validated with ready to use reagents. To measure Mouse 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Matn3 in the sample. Read the density 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 Mouse Matn3 in the sample.!!Background/Introduction: Matrilin-3 is a protein that in humans is encoded by the MATN3 gene. This gene is mapped to 12 A1.1; 12 3.96 cM. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	306518578
NCBI GeneID	17182
NCBI Accession #	NP_034900.4
NCBI GenBank Nucleotide #	NP_034900.4
UniProt Accession #	O35701
NCBI Official Full Name	matrilin-3
NCBI Official Synonym Full Names	matrilin 3
NCBI Official Symbol	Matn3
NCBI Official Synonym Symbols	AV009181
NCBI Protein Information	matrilin-3
UniProt Protein Name	Matrilin-3
UniProt Gene Name	Matn3
UniProt Entry Name	MATN3_MOUSE

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.