

Rat Matrilin-3 ELISA Kit | MATN3 elisa kit

Rat Matrilin-3 PicoKine ELISA Kit

CATALOG #
AAA125237

REACTIVITY
Rat

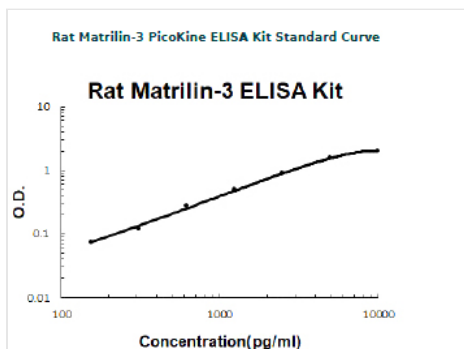
PRODUCT SYNONYMS

Matrilin-3; Rat Matrilin-3 PicoKine ELISA Kit; Rat Matrilin-3; Matrilin 3; Matn3; MATN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Matn3
Samples	Cell culture supernatants, serum and plasma (heparin, edta)
Detection Range	156 pg/ml - 10,000 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. 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™ Rat Matn3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Rat 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 contains recombinant Rat Matn3 with immunogen: Expression system for standard: NS0; Immunogen sequence: A28-R481. The kit is analytically validated with ready-to-use reagents. To measure Rat 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 Rat 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 Rat 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 6q14. 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 GeneID	313954
NCBI Official Synonym Full Names	matrilin 3
NCBI Official Symbol	Matn3
NCBI Protein Information	matrilin-3

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/matn3-rat-elisa-kits/matrilin-3/125237>