

# Mouse Matrilin-2 (MATN2) ELISA Kit

Catalog No: #EK11221



Package Size: #EK11221-1 48T #EK11221-2 96T

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## Description

Product Name	Mouse Matrilin-2 (MATN2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Accession No.	O08746
Uniprot	O08746
GeneID	17181;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.056 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle:This assay 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 anyMATN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MATN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate 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.

**Product Overview:**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.

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Note: This product is for in vitro research use only