Mouse Matrilin-4 (MATN4) ELISA Kit

Catalog No: #EK9860

Package Size: #EK9860-1 48T #EK9860-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Matrilin-4 (MATN4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ14417; HE6WCR54; OTTHUMP00000031671
Accession No.	O89029
Uniprot	O89029
GeneID	17183;
Storage	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. 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).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MATN4 in samples. An antibody specific for MATN4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMATN4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MATN4 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 MATN4 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:MATN4?encodes a member of von Willebrand factor A domain containing protein family. The proteins of this family are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. The specific function of this gene product has not yet been determined. Three alternatively spliced variants have been described. The human matrilin-4 gene contains 10 exons and spans approximately 12 kb. Alternative splicing leads to 3 different transcripts encoding protein isoforms that all contain a putative signal peptide, 2 vWFA-like domains, and the coiled-coil region. The isoforms differ in that they include either 1, 2, or 3 EGF-like domains. There are 4 EGF-like domains in mouse matrilin-4, but the first EGF-like domain in the human protein is not expressed.

Note: This product is for in vitro research use only