

# Mouse Matrix metalloproteinase 7 (MMP7) ELISA Kit

Catalog No: #EK12190



Package Size: #EK12190-1 48T #EK12190-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Matrix metalloproteinase 7 (MMP7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	MMP-7; MPSL1; PUMP-1; matrin matrix metalloproteinase 7 matrix metalloproteinase 7 (matrilysin; uterine) uterine matrilysin
Accession No.	Q10738
Uniprot	Q10738
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:15.6-1000 pg/mL

Sensitivity:6.4 pg/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:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MMP7 in samples. An antibody specific for MMP7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMMP7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP7 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 MMP7 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**MMP7, also known as Matrilysin, is the smallest member of the MMP-family, it is a zinc-dependent metalloproteinase and is overexpressed in colon cancer and many other human cancers. MMP7 is a secreted matrix metalloproteinase, which contributes to angiogenesis by breaking down basement membranes. Matrix Metalloproteinases (MMPs) belong to a family of secreted or membrane-associated zinc endopeptidases capable of digesting extracellular matrix components.MMP7 is responsible for hydrolyzing proteoglycans and ECM glycoproteins. It is expressed in normal cells, specifically glandular epithelial cells. MMP7, is thought to play an important role in the early steps of tumor progression. Expression of MMP2, MMP7 and MMP11 is greater in pancreatic carcinoma than in normal pancreas.

---

Note: This product is for in vitro research use only