

Human MMP7 ELISA Kit | MMP7 elisa kit

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CATALOG # AAA17885	REACTIVITY Human	APPLICATIONS ELISA
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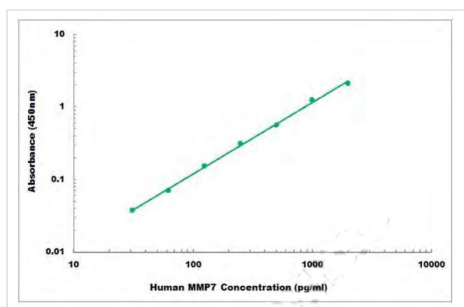
PRODUCT SYNONYMS

MMP7; Human MMP7 ELISA Kit; MPSL1; PUMP1; Matrilysin; Matrin; Matrix metalloproteinase-7; MMP-7; Pump-1 protease; Uterine metalloproteinase; MMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human MMP7 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human MMP7 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	267
Samples	Culture Supernatants, Serum, Plasma, Urine
Sensitivity	< 15 pg/ml
Applicable Applications for MMP7 elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP7 elisa kit	Background: Matrix metalloproteinase-7 (MMP-7) previously called putative metalloproteinase I (PUMP1) or matrilysin. The PUMP1 gene has been identified through studies of collagenase-related connective-tissue-degrading metalloproteinases produced by human tumors. The PUMP I protein has 267 amino acids and is significantly shorter than stromelysin or collagenase (477 and 469 amino acids, respectively). Matrix metalloproteinases play a crucial role in tumor invasion and metastasis. Matrilysin, a member of the matrix metalloproteinase family, is structurally different from the other matrix metalloproteinases by virtue of the absence of a conserved COOH-terminal protein domain. In addition, matrilysin mRNA is regulated in a specific and distinct manner in normal and malignant tissues. Matrilysin has been shown to correlate with nodal or distant metastasis in colorectal carcinomas; however, its implication in early invasive colorectal carcinomas has not been determined. Matrilysin is also a mediator of pulmonary fibrosis and a potential therapeutic target. Principle of the Assay: The Human MMP7 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human MMP7 in Cell Culture Supernatants, Serum, Plasma, Urine. This assay employs an antibody specific for Human MMP7 coated on a 96-well plate. Standards and samples are pipetted into the wells and MMP7 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human MMP7 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MMP7 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505219
NCBI GeneID	4316
NCBI Accession #	NP_002414.1
NCBI GenBank Nucleotide #	NM_002423.3
UniProt Accession #	P09237; Q9BTK9
Molecular Weight	29,677 Da
NCBI Official Full Name	matrilysin preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 7 (matrilysin, uterine)
NCBI Official Symbol	MMP7
NCBI Official Synonym Symbols	MMP-7; MPSL1; PUMP-1
NCBI Protein Information	matrilysin; matrin; pump-1 protease; uterine matrilysin; uterine metalloproteinase; matrix metalloproteinase-7; matrix metalloproteinase 7 (matrilysin, uterine)
UniProt Protein Name	Matrilysin
UniProt Gene Name	MMP7
UniProt Synonym Gene Names	MPSL1; PUMP1; MMP-7
UniProt Entry Name	MMP7_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/mmp7/17885>