

Rat matrix metalloproteinase 7 (matrilysin, uterine) ELISA Kit | MMP7 elisa kit

Rat matrix metalloproteinase 7, MMP-7 ELISA Kit

CATALOG #
AAA15359

REACTIVITY
Rat

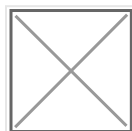
PRODUCT SYNONYMS

matrix metalloproteinase 7 (matrilysin; uterine); Rat matrix metalloproteinase 7; MMP-7 ELISA Kit; MMP-7 ELISA kit; MMP-7; MPSL1; PUMP-1; matrin; matrix metalloproteinase 7; matrix metalloproteinase 7 (matrilysin; uterine) ; uterine matrilysin; MMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat MMP-7. No significant cross-reactivity or interference between rat MMP-7 and analogues was observed.
Sequence Length	267
Samples	Serum, plasma and tissue homogenates
Assay Type	Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of rat MMP-7 is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP7 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MMP-7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP-7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP-7 is added to the wells. After washing, avidin 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 MMP-7 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981214
NCBI GeneID	25335
NCBI Accession #	NP_036996.1
NCBI GenBank Nucleotide #	NM_012864.2
UniProt Accession #	P50280
Molecular Weight	29,885 Da
NCBI Official Full Name	matrilysin
NCBI Official Synonym Full Names	matrix metalloproteinase 7
NCBI Official Symbol	Mmp7
NCBI Official Synonym Symbols	MPMM
NCBI Protein Information	matrilysin; MMP-7; matrin; pump-1 protease; uterine metalloproteinase; matrix metalloproteinase-7; Matrix metalloproteinase 7 (matrilysin)
UniProt Protein Name	Matrilysin
UniProt Gene Name	Mmp7
UniProt Synonym Gene Names	Mmp-7; MMP-7
UniProt Entry Name	MMP7_RAT

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/mmp7-rat-elisa-kits/matrix-metalloproteinase-7-matrilysin-uterine/15359>