

Rat Matrix Metalloproteinase 7 (MMP7) CLIA Kit | MMP7 clia kit

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CATALOG # AAA188854	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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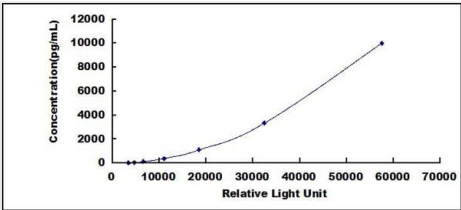
PRODUCT SYNONYMS

Matrix Metalloproteinase 7 (MMP7); Rat Matrix Metalloproteinase 7 (MMP7) CLIA Kit; Matrix Metalloproteinase 7; MPSL1; MAT; PUMP-1; Matrilysin Uterine; Matrilysin; Matrin; Pump-1 Protease; Uterine Metalloproteinase; MMP7 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Matrix Metalloproteinase 7 (MMP7). No significant cross-reactivity or interference between Matrix Metalloproteinase 7 (MMP7) and analogues was observed.
Sequence Length	267
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.3pg/mL
Applicable Applications for MMP7 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Matrix Metalloproteinase 7 (MMP7) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Matrix Metalloproteinase 7 (MMP7) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = \frac{SD}{mean} \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Matrix Metalloproteinase 7 (MMP7). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Matrix Metalloproteinase 7 (MMP7). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Matrix Metalloproteinase 7 (MMP7) level in the sample or standard.
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981214
NCBI GeneID	25335
NCBI Accession #	NP_036996.1
NCBI GenBank Nucleotide #	NP_036996.1
UniProt Accession #	P50280
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
UniProt Protein Name	Matrilysin
UniProt Gene Name	Mmp7
UniProt Synonym Gene Names	Mmp-7; MMP-7

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.