

Rat Matrix Metalloproteinase 7 (MMP7) ELISA Kit | MMP7 elisa kit

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CATALOG #
AAA330214

REACTIVITY
Rat

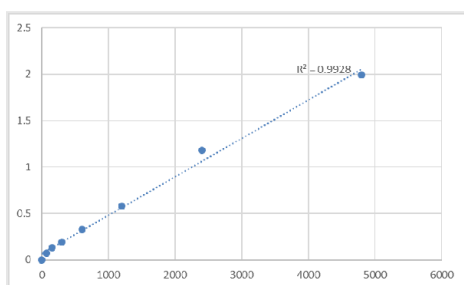
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Matrix metalloproteinase 7 (MMP7) ELISA Kit has high sensitivity and excellent specificity for detection of Rat MMP7. No significant cross-reactivity or interference between Rat MMP7 and analogues was observed.
Sequence Length	267
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Matrix metalloproteinase 7 (MMP7) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MMP7 elisa kit	Description: This Rat Matrix metalloproteinase 7 (MMP7) ELISA Kit 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 any MMP7 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. Background: MMP7 encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. MMP7 is part of a cluster of MMP genes on chromosome 11. MMP7 exhibits elevated expression levels in multiple human cancers.
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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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/matrix-metalloproteinase-7-mmp7/330214>