

Rat matrix metalloproteinase 14 (membrane-inserted) ELISA Kit | MMP14 elisa kit

Rat Matrix Metalloproteinase 14, MMP-14 ELISA Kit

CATALOG #
AAA80612

REACTIVITY
Rat

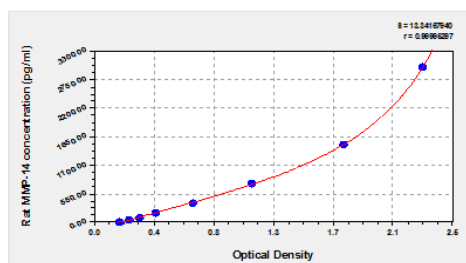
PRODUCT SYNONYMS

matrix metalloproteinase 14 (membrane-inserted); Rat Matrix Metalloproteinase 14; MMP-14 ELISA Kit; MMP-X1; MT1-MMP; MTMMP1; matrix metalloproteinase 14; matrix metalloproteinase 14 (membrane-inserted) ; membrane type 1 metalloprotease; membrane-type matrix metalloproteinase 1; membrane-type-1 matrix m; MMP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat MMP-14. No significant cross-reactivity or interference between rat MMP-14 and analogues was observed.
Sequence Length	582
Samples	Serum, plasma and tissue homogenates.
Assay Type	Sandwich
Detection Range	46.88 pg/ml -3000 pg/ml.
Sensitivity	11.75 pg/ml.
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 MMP14 elisa kit	Principle of the Assay This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MMP-14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP-14 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP-14 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-14 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130486970
NCBI GeneID	100009598
NCBI Accession #	NP_001076262.1
NCBI GenBank Nucleotide #	NM_001082793.1
UniProt Accession #	Q95220; P79225
Molecular Weight	65,963 Da
NCBI Official Full Name	matrix metalloproteinase-14
NCBI Official Symbol	MMP14
NCBI Official Synonym Symbols	MMP1
NCBI Protein Information	matrix metalloproteinase-14; MMP-14; MT1MMP; MTMMP1; MT1-MMP; MT-MMP 1; matrix metalloproteinase 14; membrane type 1 metalloproteinase; membrane-type matrix metalloproteinase 1; membrane-type-1 matrix metalloproteinase; matrix metalloproteinase 1 (interstitial collagenase)
UniProt Protein Name	Matrix metalloproteinase-14
UniProt Gene Name	MMP14
UniProt Synonym Gene Names	MMP-14; MT-MMP 1; MTMMP1; MT1-MMP; MT1MMP
UniProt Entry Name	MMP14_RABIT

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.