

Rat MMP14 (Matrix metalloproteinase-14) ELISA Kit | MMP14 elisa kit

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CATALOG #
AAA249821

REACTIVITY
Rat

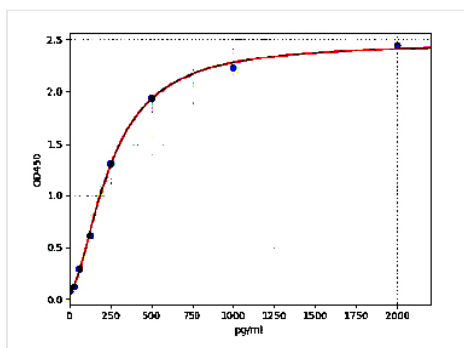
PRODUCT SYNONYMS

MMP14 (Matrix metalloproteinase-14); Rat MMP14 (Matrix metalloproteinase-14) ELISA Kit; MMP-14; Matrix metalloproteinase-14; Membrane-type matrix metalloproteinase 1; MT-MMP 1; MTMMP1; Membrane-type-1 matrix metalloproteinase; T-MMP; MT1-MMP; MT1MMP; Mmp14; Mtmmp; MMP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MMP14. No significant cross-reactivity or interference between MMP14 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP14 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13591995
NCBI GeneID	81707
NCBI Accession #	NP_112318.1
NCBI GenBank Nucleotide #	NM_031056.1
UniProt Accession #	Q10739; Q6IN06
Molecular Weight	66,080 Da
NCBI Official Full Name	matrix metalloproteinase-14
NCBI Official Synonym Full Names	matrix metalloproteinase 14
NCBI Official Symbol	Mmp14
NCBI Official Synonym Symbols	Mt1-mmp
NCBI Protein Information	matrix metalloproteinase-14
UniProt Protein Name	Matrix metalloproteinase-14
UniProt Gene Name	Mmp14
UniProt Synonym Gene Names	Mtmmp; MMP-14; MT-MMP 1; MTMMP1; MT-MMP; MT1-MMP; MT1MMP

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.