

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

Human Matrix Metalloproteinase 14, MMP-14 ELISA Kit

CATALOG #
AAA80664

REACTIVITY
Human

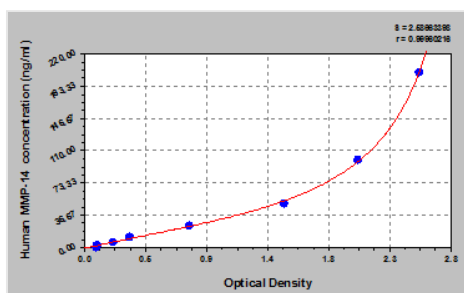
PRODUCT SYNONYMS

matrix metalloproteinase 14 (membrane-inserted); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MMP-14. No significant cross-reactivity or interference between human MMP-14 and analogues was observed.
Sequence Length	582
Samples	Serum, plasma and tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 ng/ml-200 ng/ml.
Sensitivity	The minimum detectable dose of human MMP-14 is typically less than 0.78 ng/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 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 #	4826834
NCBI GeneID	4323
NCBI Accession #	NP_004986.1
NCBI GenBank Nucleotide #	NM_004995.3
UniProt Accession #	P50281; Q6GSF3; Q92678; A8K5L0
Molecular Weight	65,894 Da
NCBI Official Full Name	matrix metalloproteinase-14 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 14 (membrane-inserted)
NCBI Official Symbol	MMP14
NCBI Official Synonym Symbols	MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1
NCBI Protein Information	matrix metalloproteinase-14; membrane type 1 metalloprotease; membrane-type-1 matrix metalloproteinase
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_HUMAN

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/mmp14-human-elisa-kits/matrix-metalloproteinase-14-membrane-inserted/80664>