

Human Matrix metalloproteinase 14 ELISA Kit | MMP14 elisa kit

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CATALOG #
AAA246579

REACTIVITY
Human

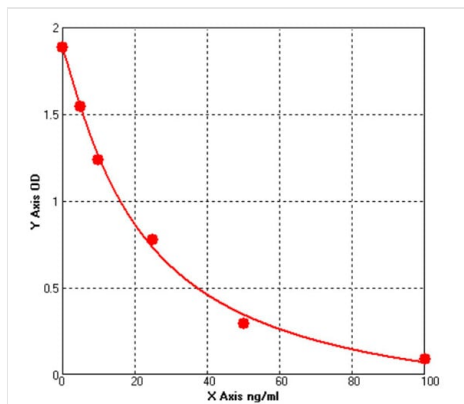
PRODUCT SYNONYMS

Matrix metalloproteinase 14; Human Matrix metalloproteinase 14 ELISA Kit; MMP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MMP14 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP14 elisa kit	Principle of the Assay: MMP14 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MMP14 antibody and an MMP14-HRP conjugate. The assay sample and buffer are incubated together with MMP14-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MMP14 concentration since MMP14 from samples and MMP14-HRP conjugate compete for the anti-MMP14 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP14 from the sample, fewer sites are left to bind MMP14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP14 concentration in each sample is interpolated from this standard curve. Intended Uses: This MMP14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MMP14. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MMP14 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826834
NCBI GeneID	4323
NCBI Accession #	NP_004986.1
NCBI GenBank Nucleotide #	NM_004995.3
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; WNCNRS; MT1-MMP; MT-MMP 1
NCBI Protein Information	matrix metalloproteinase-14; membrane type 1 metalloproteinase; 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-14/246579>