

Human Matrix Metalloproteinase 19 (MMP19) ELISA Kit | MMP19 elisa kit

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CATALOG #
AAA136663

REACTIVITY
Human

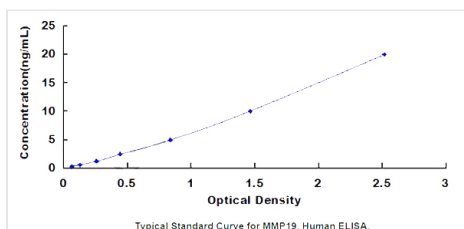
PRODUCT SYNONYMS

Matrix Metalloproteinase 19 (MMP19); Human Matrix Metalloproteinase 19 (MMP19) ELISA Kit; RASI-1; MMP18; Occasionally Referred To As Stromelysin-4; MMP19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MMP19. No significant cross-reactivity or interference between MMP19 and analogues was observed.
Sequence Length	508
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MMP19 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MMP19 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP19 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MMP19 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MMP19. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MMP19. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MMP19, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MMP19 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MMP19 elisa kit	Enzyme & Kinase; Tumor immunity; Reproductive science; Developmental science; Rheumatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505213
NCBI GeneID	4327
NCBI Accession #	NP_002420.1
NCBI GenBank Nucleotide #	NM_002429.5
UniProt Accession #	Q99542; O15278; O95606; Q99580; B4E030
Molecular Weight	33,793 Da
NCBI Official Full Name	matrix metalloproteinase-19 isoform 1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 19
NCBI Official Symbol	MMP19
NCBI Official Synonym Symbols	MMP18; RASI-1
NCBI Protein Information	matrix metalloproteinase-19
UniProt Protein Name	Matrix metalloproteinase-19
UniProt Gene Name	MMP19
UniProt Synonym Gene Names	MMP18; RASI; MMP-19; MMP-18
UniProt Entry Name	MMP19_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.