

Mouse Matrix Metalloproteinase 15 (MMP15) ELISA Kit | MMP15 elisa kit

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CATALOG #
AAA183269

REACTIVITY
Mouse

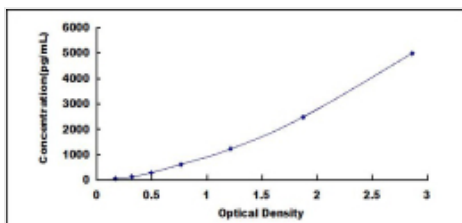
PRODUCT SYNONYMS

Matrix Metalloproteinase 15 (MMP15); Mouse Matrix Metalloproteinase 15 (MMP15) ELISA Kit; SMCP-2; MTMMP2; MT2-MMP; Membrane-Inserted; Membrane-type matrix metalloproteinase 2; Membrane-type-2 matrix metalloproteinase; MMP15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Matrix Metalloproteinase 15 (MMP15). No significant cross-reactivity or interference between Matrix Metalloproteinase 15 (MMP15) and analogues was observed.
Sequence Length	669
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	78.12-5000pg/mL
Sensitivity	< 31pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Matrix Metalloproteinase 15 (MMP15) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Matrix Metalloproteinase 15 (MMP15) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 MMP15 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Matrix Metalloproteinase 15 (MMP15). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Matrix Metalloproteinase 15 (MMP15). 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 Matrix Metalloproteinase 15 (MMP15), 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 Matrix Metalloproteinase 15 (MMP15) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505211
NCBI GeneID	4324
NCBI Accession #	NP_002419.1
NCBI GenBank Nucleotide #	NM_002428.3
UniProt Accession #	P51511; Q14111; A0A2U6
Molecular Weight	75,807 Da
NCBI Official Full Name	matrix metalloproteinase-15 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 15
NCBI Official Symbol	MMP15
NCBI Official Synonym Symbols	MMP-15; MT2MMP; MTMMP2; SMCP-2; MT2-MMP
NCBI Protein Information	matrix metalloproteinase-15
UniProt Protein Name	Matrix metalloproteinase-15
UniProt Gene Name	MMP15
UniProt Synonym Gene Names	MMP-15; MT-MMP 2; MTMMP2; MT2-MMP; MT2MMP

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.