

Monkey Matrix Metalloproteinase 2 ELISA Kit | MMP-2 elisa kit

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CATALOG #
AAA101949

REACTIVITY
Monkey

PRODUCT SYNONYMS

Matrix Metalloproteinase 2; Monkey Matrix Metalloproteinase 2 ELISA Kit; MMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection ofMMP-2. No significant cross-reactivity or interference betweenMMP-2 and analogues was observed.
Sequence Length	701
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high levelMMP-2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high levelMMP-2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: 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

Typical Data & Standard Curve

Results of a typical standard run of a MMP-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.029	0.066	0.101	0.169	0.314	0.694	1.314	2.172

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MMP-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MMP-2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 MMP-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration ofMMP-2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	270012816
Molecular Weight	81,608 Da
NCBI Official Full Name	matrix metalloproteinase 2
UniProt Protein Name	Matrix metalloproteinase 2
UniProt Gene Name	Mmp2
UniProt Entry Name	D6WYY9_TRICA

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/mmp-2-monkey-elisa-kits/matrix-metalloproteinase-2/101949>