

Human Matrix metalloproteinase 9 ELISA Kit | MMP-9 elisa kit

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CATALOG #
AAA247870

REACTIVITY
Human

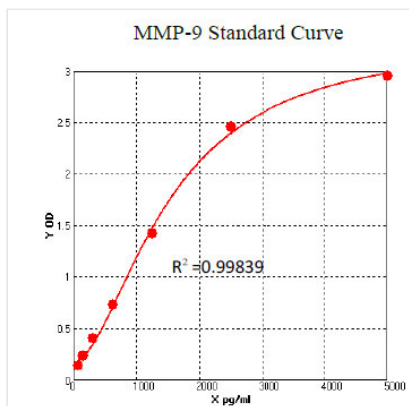
PRODUCT SYNONYMS

Matrix metalloproteinase 9; Human Matrix metalloproteinase 9 ELISA Kit; MMP-9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Capture antibody and detection antibody respectively identify different epitopes of the antigen, which maximizes the specificity of the reaction. No cross-reaction exists between the homologous cytokines.
Assay Type	Sandwich
Intra-assay Precision	8.1-9.2
Inter-assay Precision	3.6-5.0

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-9 elisa kit	Background: Matrix metalloproteinases (MMPs) consists of 24 known human zinc proteases, it plays an important role in breaking down components of the extracellular matrix (ECM). As a protease, it has been found the substrates of MMP include cytokines, chemokines, growth factors, binding proteins, cell/cell adhesion molecules and other proteases. Except for a very few MMPs, most of the them in the whole MMPs family shares common structural motifs, including a pro-peptide domain, a catalytic domain, a hinge region and a hemopexin-like domain. Generally, most of MMPs are secreted to inactive pro-enzymes form before they are involved in the activity of enzyme metabolism. Usually, MMP is involved in the modulation of enzyme activities on the following several levels, including transcription, pro-enzyme activation, endogenous inhibitors, and tissue inhibitors of metalloproteinases (TIMPs). Principle of the Assay: This ELISA kit is applied to the solid phase sandwich Enzyme Linked Immunosorbent Assay. The microtiter plate has been pre-coated with capture antibody. The antigen to be measured and the biotin-conjugated detection antibody are then added to the microtiter plate wells sequentially to form a capture antibody-antigen-detection antibody complex. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells, and then a TMB substrate solution is added to the wells to incubate. TMB substrate solution turns blue after the oxidation of HRP, and finally turns to yellow immediately after adding the stop solution. Color of TMB substrate positively correlated with total MMP-9 bound in the initial steps. The color is measured by spectrophotometrically with wavelength of 450nm. The concentration of MMP-9 in samples is then determined by comparing the O.D. of the samples to the standard curve.
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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-9-human-elisa-kits/matrix-metalloproteinase-9/247870>