

Human Matrix Metalloproteinase-20 (MMP20) ELISA Kit | MMP20 elisa kit

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CATALOG #
AAA331748

REACTIVITY
Human

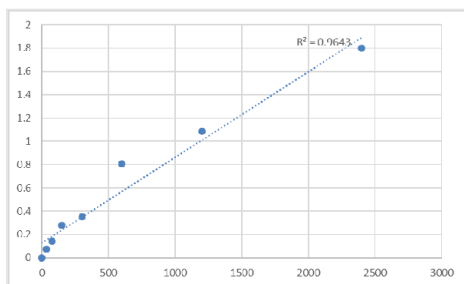
PRODUCT SYNONYMS

Matrix Metalloproteinase-20 (MMP20); Human Matrix Metalloproteinase-20 (MMP20) ELISA Kit; MMP20; AI2A2; MMP-20; enamel metalloproteinase; matrix metalloproteinase 20; matrix metalloproteinase 20 (enamelysin); MMP20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrix metalloproteinase-20 (MMP20) ELISA Kit has high sensitivity and excellent specificity for detection of Human MMP20. No significant cross-reactivity or interference between Human MMP20 and analogues was observed.
Sequence Length	483
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Matrix metalloproteinase-20 (MMP20) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MMP20 elisa kit	Description: This Human Matrix metalloproteinase-20 (MMP20) ELISA Kit employs a two-site sandwich ELISA to quantitate MMP20 in samples. An antibody specific for MMP20 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP20 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP20 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MMP20 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. Matrix metalloproteinase-20 encoded by MMP20 degrades amelogenin, the major protein component of dental enamel matrix, and thus thought to play a role in tooth enamel formation. A mutation in MMP20, which alters the normal splice pattern and results in premature termination of the encoded protein, has been associated with amelogenesis imperfecta. MMP20 is part of a cluster of MMP genes located on chromosome 11q22.3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45359865
NCBI GeneID	9313
NCBI Accession #	NP_004762.2
NCBI GenBank Nucleotide #	NP_004762.2
UniProt Accession #	O60882
NCBI Official Full Name	matrix metalloproteinase-20 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 20
NCBI Official Symbol	MMP20
NCBI Official Synonym Symbols	AI2A2; MMP-20
NCBI Protein Information	matrix metalloproteinase-20
UniProt Protein Name	Matrix metalloproteinase-20
UniProt Gene Name	MMP20
UniProt Synonym Gene Names	MMP-20

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://www.aaabiotech.com/human-elisa-kits/matrix-metalloproteinase-20-mmp20/331748>