

Human Matrix Metalloproteinase-15 (MMP15) ELISA Kit | MMP15 elisa kit

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CATALOG #
AAA331751

REACTIVITY
Human

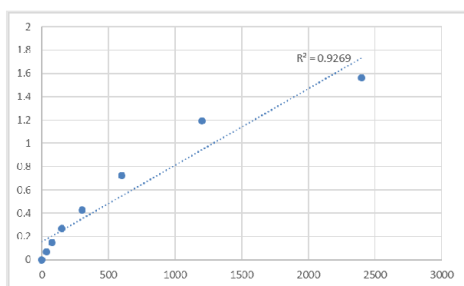
PRODUCT SYNONYMS

Matrix Metalloproteinase-15 (MMP15); Human Matrix Metalloproteinase-15 (MMP15) ELISA Kit; MMP15; MT2-MMP; MTMMP2; SMCP-2; matrix metalloproteinase 15; matrix metalloproteinase 15 (membrane-inserted); membrane-type matrix metalloproteinase 2; membrane-type-2 matrix metalloproteinase; MMP15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrix metalloproteinase-15 (MMP15) ELISA Kit has high sensitivity and excellent specificity for detection of Human MMP15. No significant cross-reactivity or interference between Human MMP15 and analogues was observed.
Sequence Length	669
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-15 (MMP15) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MMP15 elisa kit	Description: This Human Matrix metalloproteinase-15 (MMP15) ELISA Kit employs a two-site sandwich ELISA to quantitate MMP15 in samples. An antibody specific for MMP15 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP15 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP15 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 MMP15 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MMP15 encodes a member of the peptidase M10 family and membrane-type subfamily of matrix metalloproteinases (MMPs). Proteins in this 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. Members of this subfamily contain a transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. The encoded preproprotein is proteolytically processed to generate the mature protease. This protein may play a role in cancer progression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505211
NCBI GeneID	4324
NCBI Accession #	NP_002419.1
NCBI GenBank Nucleotide #	NP_002419.1
UniProt Accession #	P51511
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
UniProt Entry Name	MMP15_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.