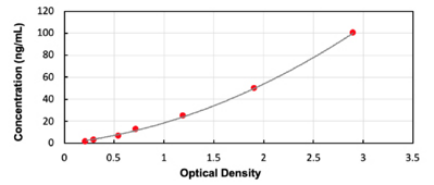
MMP14 (Human) ELISA Kit

Catalog # KA6151 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	MMP14 (Human) ELISA Kit is a sandwich enzyme immunoassay for quantitative measurement of MMP14 in human serum, plasma, tissue homogenates and other biological fluids.
Suitable Sample	Plasma, Serum, Tissue Homogenates, and Other Biological Fluids.
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	1.56 to 100 ng/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at 4°C. For best results, please store the components as described in the protocol.

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Applications

- Quantification

Gene Info — MMP14

Entrez GeneID	4323
Protein Accession#	P50281
Gene Name	MMP14
Gene Alias	MMP-X1, MT1-MMP, MTMMP1
Gene Description	matrix metallopeptidase 14 (membrane-inserted)
Omim ID	600754
Gene Ontology	Hyperlink
Gene Summary	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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion. [provided by RefSeq
Other Designations	matrix metalloproteinase 14|matrix metalloproteinase 14 (membrane-inserted)|membrane type 1 metalloprotease|membrane-type matrix metalloproteinase 1|membrane-type-1 matrix metalloproteinase

Pathway

- GnRH signaling pathway

Disease

- Adenocarcinoma
- Bronchopulmonary Dysplasia
- Cardiovascular Diseases

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- Chorioamnionitis
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Glomerulosclerosis
- Hepatitis C
- Liver Cirrhosis
- Nephrosis
- Obstetric Labor
- Ovarian Neoplasms
- Pre-Eclampsia
- Premature Birth
- Pulmonary Disease
- Scleroderma

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