

MMP14 (Human) Cell-Based ELISA Kit

Catalog # KA3004

Size 1 Kit

Specification

Product Description	MMP14 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of MMP14 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — MMP14

Entrez GeneID	4323
Protein Accession#	P50281
Gene Name	MMP14
Gene Alias	MMP-X1, MT1-MMP, MTMMP1
Gene Description	matrix metalloproteinase 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](#)
- [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](#)