



Human Matrix Metalloproteinase 14,MMP-14

ELISA Kit

Product Code	CSB-E13157h
Abbreviation	MMP14
Uniprot No.	P50281
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.01 ng/ml - 10 ng/ml
Sensitivity	0.01 ng/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cancer
Gene Names	MMP14
Tag Info	quantitative
Protein Description	Sandwich

Description

CUSABIO's human MMP14 ELISA kit is an in vitro enzyme-linked immunosorbent assay for quantitatively measuring human MMP14 in serum, plasma, or tissue homogenates. This assay uses the sandwich enzyme immunoassay technique in combination with the enzyme-substrate chromogenic reaction to quantify the analyte in the sample. The color develops positively to the amount of MMP14 in samples. The color intensity is measured at 450 nm via a microplate reader.

MMP14 is a potent pericellular collagenase that can cleave extracellular matrix (ECM) macromolecules especially type I collagen. It is thus involved in cancer cell invasion and embryonic development. MMP14 plays a prominent role in the angiogenesis by degradation of collagen types I, II, and III. It promotes cellular invasion in cancerogenic processes, metastasis, angiogenesis, wound healing, atherosclerosis, and rheumatoid arthritis. MMP14 enhances the local invasion of the tumor and the formation of metastases by activating pro-MMP-2. Increased expression of MMP14 seemed to be related to a high degree of malignancy, aggressiveness, and survival prognosis.

**Msds**

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