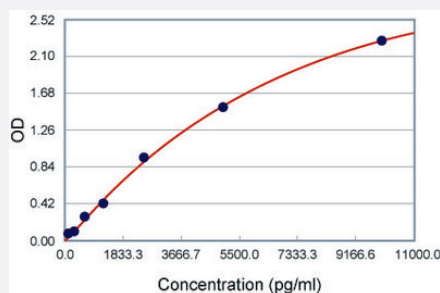


MMP7 (Human) ELISA Kit

Catalog # KA0395 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	MMP7 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human MMP7.
Suitable Sample	Cell Culture Supernates, Serum, Plasma (Heparin), Saliva, Urine
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — MMP7

Entrez GeneID [4316](#)

Gene Name MMP7

Gene Alias MMP-7, MPSL1, PUMP-1

Gene Description matrix metalloproteinase 7 (matrilysin, uterine)

Omim ID [178990](#)

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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Other Designations matrin|matrix metalloproteinase 7|matrix metalloproteinase 7 (matrilysin, uterine)|uterine matrilysin

Publication Reference

- [Gene expression analysis reveals matrilysin as a key regulator of pulmonary fibrosis in mice and humans.](#)

Zuo F, Kaminski N, Eugui E, Allard J, Yakhini Z, Ben-Dor A, Lollini L, Morris D, Kim Y, DeLustro B, Sheppard D, Pardo A, Selman M, Heller RA.

Proceedings of the National Academy of Sciences of the United States of America 2002 Apr; 99(9):6292.

- [Matrilysin \(MMP-7\) as a significant determinant of malignant potential of early invasive colorectal carcinomas.](#)

Masaki T, Matsuoka H, Sugiyama M, Abe N, Goto A, Sakamoto A, Atomi Y.

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- [Structure and expression of the human gene for the matrix metalloproteinase matrilysin.](#)

Gaire M, Magbanua Z, McDonnell S, McNeil L, Lovett DH, Matrisian LM.

The Journal of Biological Chemistry 1994 Jan; 269(3):2032.

Pathway

- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Arthritis](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis Obliterans](#)
- [Carcinoma](#)
- [Chorioamnionitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)

- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Heart Neoplasms](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Hypercholesterolemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)

- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)