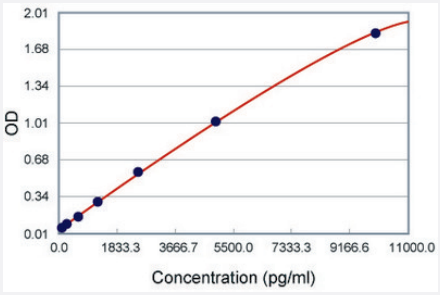
MMP8 (Human) ELISA Kit

Catalog # KA0396 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	MMP8 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human MMP8.
Suitable Sample	Cell Culture Supernates, Plasma (heparin), Saliva, Serum
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

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- Quantification

Gene Info — MMP8

Entrez GeneID	4317
Gene Name	MMP8
Gene Alias	CLG1, HNC, PMNL-CL
Gene Description	matrix metallopeptidase 8 (neutrophil collagenase)
Omim ID	120355
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 enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq
Other Designations	PMNL collagenase|matrix metalloproteinase 8|matrix metalloproteinase 8 (neutrophil collagenase)|neutrophil collagenase

Publication Reference

- Functionally significant SNP MMP8 promoter haplotypes and preterm premature rupture of membranes (PPROM).

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  Human Molecular Genetics 2004 Nov; 13(21):2659.

- Structure and expression of the cDNA encoding human neutrophil collagenase.

  Devarajan P, Mookhtiar K, Van Wart H, Berliner N.

  Blood 1991 Jun; 77(12):2731.

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- Human neutrophil collagenase. A distinct gene product with homology to other matrix metalloproteinases.

  Hasty KA, Pourmotabbed TF, Goldberg GI, Thompson JP, Spinella DG, Stevens RM, Mainardi CL.

  The Journal of Biological Chemistry 1990 Jul; 265(20):11421.

Disease

- Breast cancer
- Breast Neoplasms
- Bronchiectasis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Connective Tissue Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Hepatitis C
- Infection
- Inflammation
- Intervertebral Disk Displacement
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms

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- Lymphatic Metastasis
- Malignant melanoma
- Melanoma
- Mouth Neoplasms
- Musculoskeletal Diseases
- Neoplasm Invasiveness
- Obstetric Labor
- Oral Submucous Fibrosis
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Skin Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Urinary Bladder Neoplasms

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