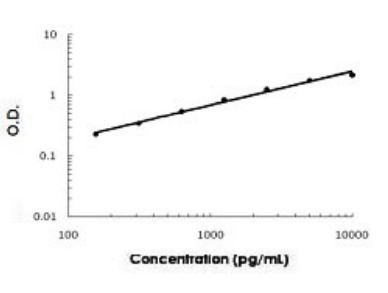
MMP13 (Human) ELISA Kit

Catalog # KA5682 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	MMP13 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human MMP13 in cell culture supernates, serum and plasma (heparin).
Suitable Sample	Cell culture supernates, Serum and Plasma (heparin)
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/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 unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — MMP13

Entrez GeneID	4322
Gene Name	MMP13
Gene Alias	CLG3
Gene Description	matrix metallopeptidase 13 (collagenase 3)
Omim ID	600108 602111
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 protein encoded by this gene cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq
Other Designations	collagenase 3|matrix metalloproteinase 13|matrix metalloproteinase 13 (collagenase 3)

Disease

- Adenocarcinoma
- Alveolar Bone Loss
- Aortic Aneurysm
- Arteriosclerosis
- Arthritis
- Atherosclerosis
- Breast cancer
- Breast Neoplasms

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- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Periodontitis
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Endometriosis
- Esophageal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Gingival Hemorrhage
- Heart Neoplasms
- Hepatitis C
- Intervertebral Disk Displacement
- Liver Cirrhosis
- Lung Neoplasms
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Nasopharyngeal Neoplasms
- Neoplasms
- Obstetric Labor
- Osteomyelitis

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- Ovarian cancer
- Ovarian Neoplasms
- Periodontal Attachment Loss
- Pre-Eclampsia
- Premature Birth
- Stomach Neoplasms

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