

Datasheet for ABIN6719730

MMP12 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	MMP12
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Human MMP-12 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human MMP-12. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard• Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target: MMP12

Alternative Name: MMP-12 ([MMP12 Products](#))

Background: Synonyms: EC 3.4.24.65, HME, Macrophage elastase, Macrophage metalloelastase, Macrophage metalloelastase, Matrix metalloproteinase 12 (macrophage elastase), Matrix metalloproteinase 12, Matrix metalloproteinase-12, MGC138506, MME, MMP 12, MMP-12, Mmp12, MMP12_HUMAN

Background: Matrix metalloproteinase-12(MMP12), also known as MME or ME, is an enzyme that in humans is encoded by the MMP12 gene. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.2. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. This gene may be involved in tissue injury and remodeling.

Gene ID: 4321

NCBI Accession: [NP_002417](#)

UniProt: [P39900](#)

Application Details

Application Notes: ELISA_Dilution: 62.5pg/mL-4000pg/mL

Application_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human MMP-12 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin) to each empty well. It is recommended that each human MMP-12 standard solution and each sample be measured in duplicate.

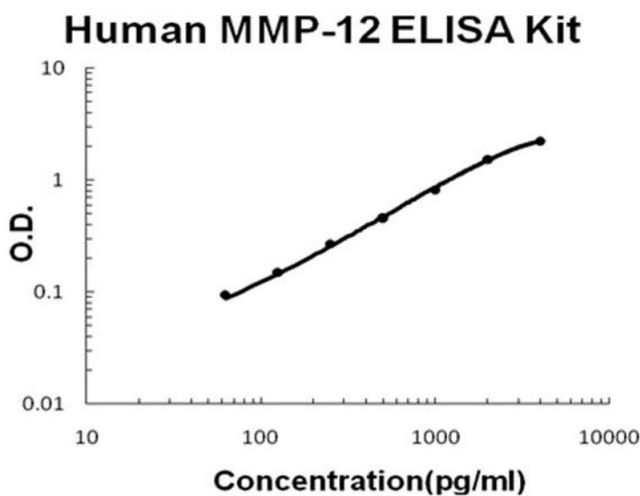
Application Details

Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: L17-C470
Sample Volume:	100 μ L
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

Images



ELISA

Image 1. Human MMP-12 Accusignal ELISA Kit Human MMP-12 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.