

## Datasheet for ABIN6720383

### MMP1 ELISA Kit

[Go to Product page](#)

#### 1 Image

#### Overview

Quantity:	1 kit
Target:	MMP1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Human MMP-1 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human total MMP-1. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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

## Target Details

Target:	MMP1
Alternative Name:	MMP-1 ( <a href="#">MMP1 Products</a> )
Background:	<p>Synonyms: 27 kDa interstitial collagenase, CLG, CLGN, Fibroblast collagenase, Interstitial collagenase, Matrix metalloproteinase 1 (interstitial collagenase), Matrix Metalloproteinase 1, Matrix metalloproteinase-1, MMP 1, MMP-1, MMP1, MMP1_HUMAN</p> <p>Background: Matrix metalloproteinase-1(MMP-1) is also known as collagenase. Matrix metalloproteinases(MMPs) are zinc-dependent proteases that degrade extracellular matrix proteins. The MMPs comprise a family of at least 20 proteolytic enzymes that play an essential role in tissue remodeling. Matrix metalloproteinase-1(MMP-1) plays an important role in the degradation of collagen in inflammatory diseases. MMP1(interstitial collagenase), MMP9(gelatinase B) and MMP12(macrophage elastase) are thought to be important in the development of emphysema. Smoking-induced MMP-1 might be important in the skin-ageing effects of tobacco smoking. The standard product used in this kit is human MMP-1 with the molecular mass of 51-53KDa. The detected MMP-1 includes zymogen and active enzyme.</p>
Gene ID:	4312
NCBI Accession:	<a href="#">NP_001139410</a>
UniProt:	<a href="#">B4DN15</a>

## Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human MMP-1 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-1 standard solution and each sample be measured in duplicate.
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Application Details

Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: F20-N469
Sample Volume:	100 µL
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

