

Datasheet for ABIN6720386

**MMP7 ELISA Kit**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 kit
Target:	MMP7
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-7 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-7. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 6 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:	MMP7
Alternative Name:	MMP-7 ( <a href="#">MMP7 Products</a> )
Background:	<p>Synonyms: Matrilysin, Matrin, Matrix metalloproteinase 7, Matrix metalloproteinase-7, MMP-7, MMP7, MMP7_HUMAN, MPSL1, Pump 1 protease, Pump-1 protease, PUMP1, Uterine metalloproteinase</p> <p>Background: Matrix metalloproteinase-7(MMP-7) previously called putative metalloproteinase I(PUMP1) or matrilysin. The PUMP1 gene has been identified through studies of collagenase-related connective-tissue-degrading metalloproteinases produced by human tumors. The PUMP I protein has 267 amino acids and is significantly shorter than stromelysin or collagenase(477 and 469 amino acids, respectively). Matrix metalloproteinases play a crucial role in tumor invasion and metastasis. Matrilysin, a member of the matrix metalloproteinase family, is structurally different from the other matrix metalloproteinases by virtue of the absence of a conserved COOH-terminal protein domain. In addition, matrilysin mRNA is regulated in a specific and distinct manner in normal and malignant tissues. Matrilysin has been shown to correlate with nodal or distant metastasis in colorectal carcinomas, however, its implication in early invasive colorectal carcinomas has not been determined.<sup>1</sup> Matrilysin is also a mediator of pulmonary fibrosis and a ...</p>
Gene ID:	4316
NCBI Accession:	<a href="#">NP_002414</a>
UniProt:	<a href="#">P09237</a>
Pathways:	<a href="#">Production of Molecular Mediator of Immune Response</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
--------------------	--

## Application Details

MMP-7 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, plasma(heparin), saliva or urine to each empty well. It is recommended that each human MMP-7 standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: E.coli, Immunogen sequence: L18-K267

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

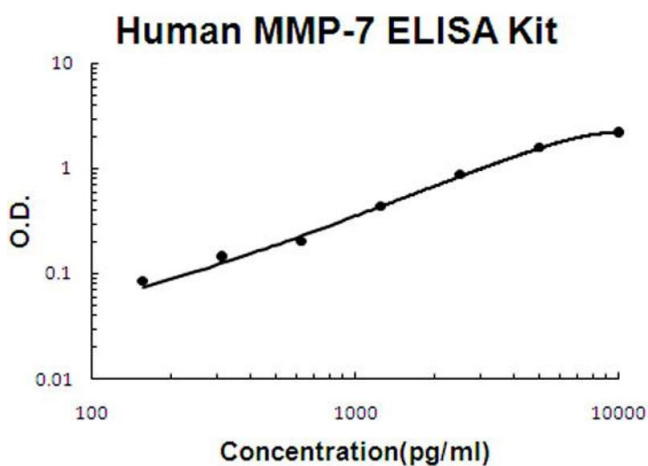
## Handling

Storage: 4  $^{\circ}$ C, -20  $^{\circ}$ C

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

Expiry Date: 12 months

## Images



### ELISA

**Image 1.** Human MMP-7 Accusignal ELISA Kit Human MMP-7 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <6pg/ml.