



# Human MMP7 blocking peptide (CDBP1886)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-MMP7 antibody
<b>Antigen Description</b>	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 enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MMP7 matrix metalloproteinase 7 (matrilysin, uterine) [ Homo sapiens ]</a>
<b>Official Symbol</b>	MMP7

<b>Synonyms</b>	MMP7; matrix metalloproteinase 7 (matrilysin, uterine); matrix metalloproteinase 7 (matrilysin, uterine) , MPSL1; matrilysin; PUMP 1; matrin; pump-1 protease; uterine matrilysin; uterine metalloproteinase; matrix metalloproteinase-7; matrix metalloproteinase 7 (matrilysin, uterine); MMP-7; MPSL1; PUMP-1;
<b>Entrez Gene ID</b>	<a href="#">4316</a>
<b>mRNA Refseq</b>	<a href="#">NM_002423</a>
<b>Protein Refseq</b>	<a href="#">NP_002414</a>
<b>UniProt ID</b>	P09237
<b>Chromosome Location</b>	11q21-q22
<b>Pathway</b>	Activation of Matrix Metalloproteinases, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem; Syndecan-1-mediated signaling events, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem;
<b>Function</b>	metal ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;