



## Human MMP3 blocking peptide (DAG-P1716)

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

### PRODUCT INFORMATION

<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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
<b>Format</b>	Liquid
<b>Buffer</b>	pH: 8.50 Constituents: 10% DMSO, 0.6% Tris, 0.15% EDTA, 0.1% BSA
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.50 Constituents: 10% DMSO, 0.6% Tris, 0.15% EDTA, 0.1% BSA

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">MMP3 matrix metallopeptidase 3 (stromelysin 1, progelatinase) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MMP3

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<b>Synonyms</b>	MMP3; matrix metallopeptidase 3 (stromelysin 1, progelatinase); SL-1; STMY; STR1; CHDS6; MMP-3; STMY1; stromelysin-1; transin-1; proteoglycanase; matrix metalloproteinase-3; matrix metalloproteinase 3 (stromelysin 1, progelatinase);
<b>Entrez Gene ID</b>	<a href="#">4314</a>
<b>mRNA Refseq</b>	<a href="#">NM_002422.3</a>
<b>Protein Refseq</b>	<a href="#">NP_002413.1</a>
<b>UniProt ID</b>	P08254
<b>Chromosome Location</b>	11q22.3
<b>Pathway</b>	Activation of Matrix Metalloproteinases, organism-specific biosystem; Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Collagen degradation, organism-specific biosystem; Collagen degradation, organism-specific biosystem; Collagen formation, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; EGFR Transactivation by Gastrin, organism-specific
<b>Function</b>	calcium ion binding; metalloendopeptidase activity; zinc ion binding;

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