



## MMP25 peptide (DAG-P0917)

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

### PRODUCT INFORMATION

#### Antigen Description

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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily, attached to the plasma membrane via a glycosylphosphatidyl inositol anchor. In response to bacterial infection or inflammation, the encoded protein is thought to inactivate alpha-1 proteinase inhibitor, a major tissue protectant against proteolytic enzymes released by activated neutrophils, facilitating the transendothelial migration of neutrophils to inflammatory sites. The encoded protein may also play a role in tumor invasion and metastasis through activation of MMP2. The gene has previously been referred to as MMP20 but has been renamed MMP25. [provided by RefSeq, Jul 2008]

<b>Purity</b>	> 95 % by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Liquid
<b>Buffer</b>	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">MMP25 matrix metalloproteinase 25 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MMP25
<b>Synonyms</b>	MMP25; matrix metalloproteinase 25; MMP20; MMPL1; MMP-25; MMP20A; MT6MMP; MTMMP6; MT-MMP6; MT6-MMP; MT-MMP 6; matrix metalloproteinase-25; leukolysin; matrix metalloproteinase 20; matrix metalloproteinase 25; matrix metalloproteinase-like 1; matrix metalloproteinase-like 1; membrane-type 6 matrix metalloproteinase; membrane-type matrix metalloproteinase 6; membrane-type-6 matrix metalloproteinase;
<b>Entrez Gene ID</b>	<a href="#">64386</a>
<b>mRNA Refseq</b>	<a href="#">NM_022468.4</a>
<b>Protein Refseq</b>	<a href="#">NP_071913.1</a>
<b>UniProt ID</b>	Q9NPA2
<b>Chromosome Location</b>	16p13.3
<b>Pathway</b>	Activation of Matrix Metalloproteinases, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
<b>Function</b>	calcium ion binding; metalloendopeptidase activity; zinc ion binding;