



MMP17 peptide (DAG-P0870)

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. The protein encoded by this gene is considered a member of the membrane-type MMP (MT-MMP) subfamily. However, this protein is unique among the MT-MMPs in that it is a GPI-anchored protein rather than a transmembrane protein. The protein activates MMP-2 by cleavage. [provided by RefSeq, Jul 2008]
Specificity	Expressed in brain, leukocytes, colon, ovary testis and breast cancer. Expressed also in many transformed and non-transformed cell types.
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA, WB
Sequence Similarities	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	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

Gene Name	MMP17 matrix metalloproteinase 17 (membrane-inserted) [Homo sapiens (human)]
Official Symbol	MMP17
Synonyms	MMP17; matrix metalloproteinase 17 (membrane-inserted); MT4-MMP; matrix metalloproteinase-17; MMP-17; MT4MMP; MTMMP4; MT-MMP 4; membrane-type matrix metalloproteinase 4; membrane-type-4 matrix metalloproteinase; matrix metalloproteinase 17 (membrane-inserted);
Entrez Gene ID	4326
mRNA Refseq	NM_016155.4
Protein Refseq	NP_057239.4
UniProt ID	Q8IWC3
Chromosome Location	12q24.3
Pathway	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;
Function	calcium ion binding; enzyme activator activity; metalloendopeptidase activity; zinc ion binding;