



MMP16 peptide (DAG-P0865)

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 encoded protein activates MMP2 by cleavage. This gene was once referred to as MT-MMP2, but was renamed as MT-MMP3 or MMP16. [provided by RefSeq, Oct 2010]
Specificity	Expressed in heart, brain, placenta, ovary and small intestine. Isoform Short is found in the ovary.
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	MMP16 matrix metalloproteinase 16 (membrane-inserted) [Homo sapiens (human)]
Official Symbol	MMP16
Synonyms	MMP16; matrix metalloproteinase 16 (membrane-inserted); MMP-X2; C8orf57; MT-MMP2; MT-MMP3; MT3-MMP; matrix metalloproteinase-16; MMP-16; MT3MMP; MTMMP3; MT-MMP 3; Putative transmembrane protein C8orf57; membrane-type matrix metalloproteinase 3; membrane-type-3 matrix metalloproteinase;
Entrez Gene ID	4325
mRNA Refseq	NM_005941.4
Protein Refseq	NP_005932.2
UniProt ID	P51512
Chromosome Location	8q21.3
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; MicroRNAs in cancer, organism-specific biosystem; MicroRNAs in cancer, conserved biosystem;
Function	calcium ion binding; enzyme activator activity; metalloendopeptidase activity; zinc ion binding;