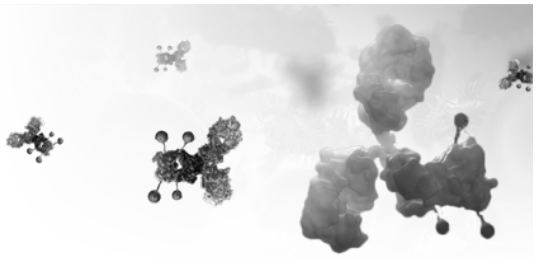

MMP13 peptide (DAG-P1792)

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 cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Specificity	Seems to be specific to breast carcinomas.
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	WB, ELISA
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

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Gene Name	MMP13 matrix metallopeptidase 13 (collagenase 3) [Homo sapiens (human)]
Official Symbol	MMP13
Synonyms	MMP13; matrix metallopeptidase 13 (collagenase 3); CLG3; MANDP1; MMP-13; collagenase 3; matrix metalloproteinase 13 (collagenase 3);
Entrez Gene ID	4322
mRNA Refseq	NM_002427.3
Protein Refseq	NP_002418.1
UniProt ID	P45452
Chromosome Location	11q22.3
Pathway	AGE/RAGE pathway, organism-specific biosystem; 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; E
Function	calcium ion binding; collagen binding; metalloendopeptidase activity; zinc ion binding;

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