



MMP12 peptide (DAG-P0826)

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

PRODUCT INFORMATION

Antigen Description	May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.
Specificity	Found in alveolar macrophages but not in peripheral blood monocytes.
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

Gene Name	Mmp12 matrix metalloproteinase 12 [Mus musculus (house mouse)]
Official Symbol	MMP12

Synonyms	MMP12; matrix metalloproteinase 12; Mmel; AV378681; macrophage metalloelastase; MME; MMP-12; macrophage elastase; macrophage-metalloelastase; matrix metalloproteinase 12; matrix metalloproteinase-12;
Entrez Gene ID	17381
mRNA Refseq	NM_008605.3
Protein Refseq	NP_032631.3
UniProt ID	P34960
Chromosome Location	9 A1; 9 2.46 cM
Pathway	Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem; Spinal Cord Injury, organism-specific biosystem;
Function	calcium ion binding; hydrolase activity; metal ion binding; metalloendopeptidase activity; metalloproteinase activity; peptidase activity; zinc ion binding;