



## Polyclonal Anti-Matrix Metalloproteinase 8, MMP8 (Sepharose Bead Conjugate)

Catalogue No. PA1207-S	Immunogen
Lot No. 09B01	A synthetic peptide corresponding to a sequence at the N-terminal
	of human MMP8, different to the related rat sequence by three amino acids
<b>Ig type:</b> rabbit IgG	
Size: 100µg/vial	Purification Immunogen affinity purified.
Specificity	Formulation
Human, mouse. rat. No cross reactivity with other proteins.	50% slurry in PBS pH 7.2 with 0.01mg NaN <sub>3</sub> a <sub>3</sub> preservative.
Recommended application	Storage
(Immunoprecipitation(IP)	Store at 4°C for frequent use.

**Description:** 

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

## BACKGROUND

MMP8 (Matrix metalloproteinase 8) is a member of the family of matrix metalloproteinases. It is distinct from the collagenase of skin fibroblasts and synovial cells in substrate specificity and immunologic crossreactivity. MMP8 was mapped to 11q21-q22. MMP8 is an enzyme that degrades fibrillar collagens imparting strength to the fetal membranes, is expressed by leukocytes and chorionic cytotrophoblast cells.1 The enzyme exhibits 58% homology to human fibroblast collagenase and has the same domain structure. It consists of a 20-residue signal peptide, and an 80-residue propeptide that is lost on autolytic activation by cleavage of an M-L bond.2 MMP8 was found to possess 57% identity with the deduced protein sequence for fibroblast collagenase with 72% chemical similarity.3 Matrix metalloproteinases (MMPs) have fundamental roles in tumor progression, but most clinical trials with MMP inhibitors have not shown improvements in individuals with cancer. MMP8 has a paradoxical protective role in cancer and provides a genetic model to evaluate the molecular basis of gender differences in cancer susceptibility.4

## REFERENCE

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