

MMP8 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6213a**Specification**

MMP8 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P22894](#)
Other Accession [NP_002415](#)

MMP8 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4317

Other Names

Neutrophil collagenase, Matrix metalloproteinase-8, MMP-8, PMNL collagenase, PMNL-CL, MMP8, CLG1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6213a](/product/products/AP6213a) was selected from the Center region of human MMP8 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MMP8 Antibody (Center) Blocking Peptide - Protein Information

Name MMP8

Synonyms CLG1

Function

Can degrade fibrillar type I, II, and III collagens.

Cellular Location

Cytoplasmic granule. Secreted, extracellular space, extracellular matrix. Note=Stored in intracellular granules

Tissue Location

Neutrophils.

MMP8 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MMP8 Antibody (Center) Blocking Peptide - Images

MMP8 Antibody (Center) Blocking Peptide - Background

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. However, MMP8 is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

MMP8 Antibody (Center) Blocking Peptide - References

Van den Steen, P.E., et al., Biochem. Biophys. Res. Commun. 310(3):889-896 (2003). Giambernardi, T.A., et al., Matrix Biol. 20(8):577-587 (2001). Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999). Massova, I., et al., FASEB J. 12(12):1075-1095 (1998). Pendas, A.M., et al., Genomics 37(2):266-268 (1996).