

MMP-9 Blocking Peptide
Catalog # PBV10217b**Specification**

MMP-9 Blocking Peptide - Product Information

Primary Accession	P14780
Other Accession	AAM97934
Gene ID	4318
Calculated MW	78458

MMP-9 Blocking Peptide - Additional Information**Gene ID** 4318**Application & Usage**

The peptide is used for blocking the antibody activity of MMP-9. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Matrix metalloproteinase-9, MMP-9, 3.4.24.35, 92 kDa gelatinase, 92 kDa type IV collagenase, Gelatinase B, GELB, 67 kDa matrix metalloproteinase-9, 82 kDa matrix metalloproteinase-9, MMP9, CLG4B

Target/Specificity

MMP-9

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

MMP-9 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

MMP-9 Blocking Peptide - Protein Information**Name** MMP9**Synonyms** CLG4B

Function

Matrix metalloproteinase that plays an essential role in local proteolysis of the extracellular matrix and in leukocyte migration (PubMed:2551898, PubMed:1480034, PubMed:12879005). Could play a role in bone osteoclastic resorption (By similarity). Cleaves KiSS1 at a Gly-I-Leu bond (PubMed:12879005). Cleaves NINJ1 to generate the Secreted ninjurin-1 form (PubMed:32883094). Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments (PubMed:1480034). Degrades fibronectin but not laminin or Pz-peptide.

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

MMP-9 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MMP-9 Blocking Peptide - Images