

MMP-13 Blocking Peptide
Catalog # PBV10220b**Specification**

MMP-13 Blocking Peptide - Product Information

Primary Accession	P23097
Gene ID	171052
Calculated MW	53375

MMP-13 Blocking Peptide - Additional Information

Application & Usage	The peptide is used for blocking the antibody activity of Anti-MMP-13. 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.
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Other Names

Collagenase 3, 3.4.24.-, Matrix metalloproteinase-13, MMP-13, UMRCASE, Mmp13

Target/Specificity

MMP-13

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-13 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

MMP-13 Blocking Peptide - Protein Information

Name Mmp13

Function

Plays a role in the degradation of extracellular matrix proteins including fibrillar collagen, fibronectin, TNC and ACAN. Cleaves triple helical collagens, including type I, type II and type III collagen, but has the highest activity with soluble type II collagen. Can also degrade collagen type IV, type XIV and type X. May also function by activating or degrading key regulatory proteins, such as TGFB1 and CCN2. Plays a role in wound healing, tissue remodeling, cartilage degradation, bone development, bone mineralization and ossification. Required for normal embryonic bone

development and ossification. Plays a role in the healing of bone fractures via endochondral ossification. Plays a role in wound healing, probably by a mechanism that involves proteolytic activation of TGFB1 and degradation of CCN2. Plays a role in keratinocyte migration during wound healing. May play a role in cell migration and in tumor cell invasion (By similarity).

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

MMP-13 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-13 Blocking Peptide - Images