

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



MMP-10 (I387) Peptide

Cat No.: BS1551P

Background

Proteins of the matrix metalloproteinase (MMP) family are zinc containing proteolytic enzymes involved in the breakdown of the extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling. They also play an important role in apoptosis, tumor cell growth, invasion, metastasis, as well as in angiogenesis and wound healing. Most MMP's are secreted as inactive propeptides which are activated when cleaved by extracellular proteinases. Most of the MMP's contain a common domain structure, which include a signal sequence, a propeptide, a catalytic domain and a hemopexin-like (Hpx) domain. MMP10 degrades proteoglycans, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. and fibronectin. It activates procollagenase. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Swiss-Prot

P09238

Applications

Blocking

Specificity

This peptide can be used with studies using BS1551 MMP-10 (I387) pAb.

Purification & Purity

Synthetic peptide MMP-10 (I387). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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