

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### MMP-23 (V371) Peptide

Cat No.: BS1237P

#### Background

Matrix metalloproteinases (MMPs) are highly homologous Zn<sup>2+</sup> endopeptidases involved in extracellular matrix breakdown. MMP mediated extracellular remodeling occurs in normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, including arthritis and metastasis. MMP-23 exhibits sequence similarity with most MMPs, but displays a difference in domain structure. The MMP-23 protein contains prepro-, catalytic, cysteine-rich, Interleukin-1 receptor-related and proline-rich domains. Lacking a recognizable signal sequence, MMP-23 has a short prodomain. In addition, MMP-23 contains a single cysteine residue that can be part of the cysteine-switch mechanism operation for maintaining enzyme latency. MMP-23 is a membrane-anchored glycoprotein with type II topology. Subcellular localization is predominantly perinuclear.

#### Swiss-Prot

O75900

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS1237 MMP-23 (V371) pAb.

#### Purification & Purity

Synthetic peptide MMP-23 (V371). (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.