

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Matriptase (K21) Peptide

Cat No.: BS2574P

Background

Matriptase (also known as MT-SP1, ST14, prostamin and epithin in mouse) is a tumor-associated type II transmembrane serine protease that is highly expressed in many human cancer-derived cell lines and is implicated in extracellular matrix re-modeling, tumor growth, and metastasis. Matriptase performs pleiotropic functions in the development of the epidermis, hair follicles, and cellular immune system. Sphingosine 1-phosphate (S1P, SPP), present in serum-derived lipoproteins, activates matriptase while matriptase activates both urokinase-type plasminogen activator and hepatocyte growth factor (HGF). Hepatocyte growth factor activator inhibitor type 1 (HAI-1) is a Kunitz-type serine protease inhibitor identified as a strong inhibitor of matriptase and HGF. Advanced-stage ovarian tumors that express matriptase are more likely to do so in the absence of its inhibitor, HAI-1, indicating that an imbalance in the matriptase: HAI-1 ratio could be important in the development of advanced disease.

Swiss-Prot

Q9Y5Y6

Applications

Blocking

Specificity

This peptide can be used with studies using BS2574 Matriptase (K21) pAb.

Purification & Purity

Synthetic peptide Matriptase (K21). (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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