

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ITI-H2 Peptide

Cat No.: BS5768P

Background

The inter- α trypsin inhibitor (ITI) family is a group of structurally related plasma serine protease inhibitors synthesized in the liver and built up from different combinations of three highly homologous heavy chains (ITI-H1, ITI-H2 and ITI-H3) and one light chain (bikunin). A fourth member of the ITI family, ITI-H4 (also known as I α IH4P) harbours a Pro-rich region (PRR) in its c-terminus. ITI (also known as IaI) is a 220 kDa glycoprotein composed of three polypeptides linked by chondroitin sulphate: two heavy chains, ITI-H1 (65 kDa) and ITI-H2 (72 kDa), and bikunin (approx. 30 kDa). Bikunin confers the protease-inhibitor function of ITI. The heavy chains of the ITI family, designated as SHAPs (for serum-derived hyaluronan-associated proteins), bind covalently to hyaluronic acid (HA), resulting in pericellular matrix stabilization. ITI-H1 contains a potential peptide which could stimulate a broad spectrum of phagocytotic cells.

Swiss-Prot

P19823

Applications

Blocking

Specificity

This peptide can be used with studies using BS5768 ITI-H2 pAb.

Purification & Purity

Synthetic peptide ITI-H2. (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.