

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### BST1 Peptide

Cat No.: BS5633P

#### Background

BST-1 (bone marrow stromal antigen-1) has been identified as a surface molecule that is GPI-anchored to the cell membrane of stromal cells. Both ADP-ribosyl cyclase and cADPR hydrolase activities have been demonstrated by BST-1. cADPR activity is a potential regulator of insulin secretion in pancreatic beta cells. Most pancreatic islet cells express BST-1, indicating a link between BST-1 and insulin secretion. BST-1 expression has also been found in a wide range of tissues including umbilical vein endothelial cells, monocytes and granulocytes. BST-1 expression in thymus tissue and on B and T cell progenitors undergoing gene rearrangement implicates BST-1 as a useful marker for lymphoid progenitor cells that are initiating gene rearrangement of their antigen receptors. BST-1 has also been shown to facilitate B cell growth and may act as a receptor.

#### Swiss-Prot

Q10588

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5633 BST1 pAb.

#### Purification & Purity

Synthetic peptide BST1. (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.