

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-c-Kit (Y721) Peptide

Cat No.: BS4705P

#### Background

c-Kit is a transmembrane tyrosine kinase encoded by the c-Kit proto oncogene. c-Kit acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain, and activation. Mutations in c-Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer. Phosphorylation at tyrosine 721 of c-Kit allows binding and activation of PI3 kinase.

#### Swiss-Prot

P10721

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4705 p-c-Kit (Y721) pAb.

#### Purification & Purity

Synthetic peptide p-c-Kit (Y721). (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.