

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p27 Kip1 (V4) Peptide

Cat No.: BS1270P

#### Background

Cell cycle progression is regulated by a series of cyclin-dependent kinases that consist of catalytic subunits, designated Cdk, and activating subunits, designated cyclins. Orderly progression through the cell cycle requires the activation and inactivation of different cyclin-Cdks at appropriate times. A series of proteins has been recently described that function as "mitotic inhibitors." These include p21, the levels of which are elevated upon DNA damage in G1 in a p53-dependent manner, p16 and a more recently described p16 related inhibitor designated p15. A p21 related protein, p27, has been described as a negative regulator of G1 progression and has been speculated to function as a possible mediator of TGF $\beta$ -induced G1 arrest. p27 interacts strongly with D-type cyclins and Cdk4 in vitro and to a lesser extent with cyclin E and Cdk2.

#### Swiss-Prot

P46527

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1270 p27 Kip1 (V4) pAb.

#### Purification & Purity

Synthetic peptide p27 Kip1 (V4). (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.