

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-Cdk1/Cdc2 (T14) Peptide

Cat No.: BS4265P

#### Background

Cdc2, an evolutionarily conserved serine/threonine-specific protein kinase, is essential in the cell cycle transition from G2 to M phase. Cdc2 is regulated by association with B-type cyclins and by reversible phosphorylation. Cyclin B binding facilitates the phosphorylation of Cdc2 p34 on three regulatory sites: threonine 14, tyrosine 15, and threonine 161. In higher eukaryotes, Cdc2 is negatively regulated by phosphorylation of two residues located in the ATP-binding site, Thr 14 and Tyr 15. Cdc2 is positively regulated by the cyclin-dependent phosphorylation of Thr 161. Both phosphorylation and de-phosphorylation at Thr 161 are required for progression through the cell cycle.

#### Swiss-Prot

P06493

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4265 p-Cdk1/Cdc2 (T14) pAb.

#### Purification & Purity

Synthetic peptide p-Cdk1/Cdc2 (T14). (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.