

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### MCM2 / BM28 (A11) Peptide

Cat No.: BS1221P

#### Background

The mini-chromosome maintenance (MCM) family of proteins, including MCM2, MCM3, MCM4 (Cdc21), MCM5 (Cdc46), MCM6 (Mis5) and MCM7 (Cdc47), are regulators of DNA replication that act to ensure replication occurs only once in the cell cycle. Expression of MCM proteins increases during cell growth, peaking at G1 to S phase. The MCM proteins each contain an ATPbinding motif, which is predicted to mediate ATP-dependent opening of doublestranded DNA. MCM proteins are regulated by E2F transcription factors, which induce MCM expression, and by protein kinases, which interact with MCM proteins to maintain the ostrepliative state of the cell. MCM2/MCM4 complexes function as substrates for Cdc2/cyclin B in vitro.

#### Swiss-Prot

P49736

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1221 MCM2 / BM28 (A11) pAb.

#### Purification & Purity

Synthetic peptide MCM2 / BM28 (A11). (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.

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