

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-4E-BP1 (T37) Peptide

Cat No.: BS4746P

#### Background

The translation of proteins from eukaryotic mRNA is initiated by the multisubunit complex eIF-4F, which associates with the mRNA 5' cap structure. eIF-4E, a component of eIF-4F, is responsible for binding to the 5' cap structure and for the assembly of the eIF-4F complex. The regulatory protein 4E-BP1, also referred to as PHAS-I, inhibits eIF-4E function. Phosphorylation of 4E-BP1 by S6 kinase p70, MAP kinases or PKCs causes the disassociation of 4E-BP1 from eIF-4E, promoting translation. A protein that is functionally related to 4E-BP1, designated 4E-BP2, also associates with eIF-4E.

#### Swiss-Prot

Q13541

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4746 p-4E-BP1 (T37) pAb.

#### Purification & Purity

Synthetic peptide p-4E-BP1 (T37). (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.