

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PDE4B/C/D (H47) Peptide

Cat No.: BS1572P

#### Background

Phosphodiesterases (PDE) hydrolyze cAMP to 5'AMP and thus play a critical role in the regulation of intracellular cAMP. Division of the PDE superfamily by sequence homology and enzymatic properties yields 11 PDE families. A unique upstream conserved region (UCR) characterizes the PDE4 family. Four separate genes (A-D) encode the PDE4 enzymes, and alternative splicing generates short or long isoforms of each gene. Long PDE4 isoforms contain both UCR1 and UCR2 while short PDE4 isoforms possess only UCR2. Both UCR domains are necessary for dimerization of PDE4 isoforms. The human PDE4D gene maps to chromosome 5q12. The splice variants include isoforms PDE4D1-6.

#### Swiss-Prot

Q08499/Q07343/Q08493

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1572 PDE4B/C/D (H47) pAb.

#### Purification & Purity

Synthetic peptide PDE4B/C/D (H47). (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.