

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Calmodulin (K75) Peptide

Cat No.: BS2989P

#### Background

The level of intracellular calcium is tightly regulated in all eukaryotic cells. A modest increase in this level can result in a myriad of physiological responses, most of which are mediated by calmodulin (CaM), the universal calcium sensor. CaM directly modulates the activity of protein kinases and phosphatases, ion channels and nitric oxide synthetases. It is generally involved in such diverse processes as cell proliferation, endocytosis, cellular adhesion, protein turn over and smooth muscle contraction. CaM (calmodulin) is an acidic protein, 148 amino acids in length, with four helix-loop-helix calcium binding domains.

#### Swiss-Prot

P62158

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2989 Calmodulin (K75) pAb.

#### Purification & Purity

Synthetic peptide Calmodulin (K75). (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.