

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### MARCKS (R157) Peptide

Cat No.: BS3661P

#### Background

Myristoylated alanine-rich protein kinase C substrate (MARCKS), also designated 80K or 80K-L, has been identified as a major cellular substrate for protein kinase C. Human MARCKS is a 332 amino acid protein with a calculated molecular weight of 31.534 kDa; however, it has been shown to run at 80-87 kDa on Western blot. The plasma membrane bound protein dissociates from the membrane upon phosphorylation by various PKC isoforms. In NIH/3T3 fibroblasts, PKC  $\alpha$  and PKC  $\epsilon$ , but not PKC  $\delta$ , are responsible for MARCKS phosphorylation. MARCKS has been found to bind calmodulin, Actin and Synapsin and is a filamentous (F) Actin crosslinking protein.

#### Swiss-Prot

P29966

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3661 MARCKS (R157) pAb.

#### Purification & Purity

Synthetic peptide MARCKS (R157). (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.