

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-PKC $\theta$ (T538) Peptide

Cat No.: AP0292P

#### Background

Members of the protein kinase C (PKC) family of serine/threonine kinases play a key role in regulating the differentiation and growth of diverse cell types. PKC theta is a member of the PKC family, and its predominant expression in hematopoietic cells suggests that it may play a role in signal transduction and growth regulatory pathways unique to these cells. PKC theta is a Ca(2+)-independent PKC isoform that is selectively expressed in T lymphocytes (and muscle), and it is thought to play an important role in T cell receptor-induced activation. Among several PKC isoenzymes expressed in T cells, PKC theta is unique in being rapidly recruited to the site of TCR clustering. It has been shown that PKC theta is essential for TCR-mediated T-cell activation, but it is dispensable during TCR-dependent thymocyte development.

#### Swiss-Prot

Q04759

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using AP0292 p-PKC  $\theta$  (T538) pAb.

#### Purification & Purity

Synthetic peptide p-PKC  $\theta$  (T538). (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.