

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-PLD2 (Y169) Peptide

Cat No.: BS4858P

#### Background

Phosphatidylcholine phospholipase D1 and D2 (PC-PLD1 and PC-PLD2) are phospholipid-specific phosphodiesterases that hydrolyze phosphatidylcholine. Unlike PC-PLD1, which associates with secretory granules, PC-PLD2 localizes to the plasma membrane, where it is implicated in the formation of endocytotic vesicles. Both PC-PLD1 and PC-PLD2 coordinately regulate macrophage phagocytosis. PC-PLD activity in mammalian cells is transiently stimulated upon activation by G protein-coupled and receptor tyrosine kinase cell surface receptors. In addition, tubulin binding to PC-PLD2 inhibits muscarinic receptor-linked PC-PLD2 activation. PC-PLD2 also enhances PKCzeta activity through direct interaction in a lipase activity-independent manner.

#### Swiss-Prot

O14939

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4858 p-PLD2 (Y169) pAb.

#### Purification & Purity

Synthetic peptide p-PLD2 (Y169). (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.