

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PDGFR- $\alpha$ (S1057) Peptide

Cat No.: BS1684P

#### Background

Platelet-derived growth factor receptors exhibit tyrosine-protein kinase activity and have been implicated in the control of cell proliferation, survival and migration. PDGF receptors, PDGFR-alpha and PDGFR-beta, have 5 extracellular immunoglobulin-like domains and an intracellular tyrosine kinase domain. Upon binding a PDGF, the receptors form homo- and heterodimers. Dimerization of the receptors results in phosphorylation in the complex. More than 10 different SH2-domain-containing molecules have been shown to bind to different autophosphorylation sites in the PDGF-alpha and beta receptors. PDGF alpha receptors are expressed in oligodendrocyte progenitor cells and PDGF beta receptors are expressed on neurons.

#### Swiss-Prot

P16234

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1684 PDGFR- $\alpha$  (S1057) pAb.

#### Purification & Purity

Synthetic peptide PDGFR- $\alpha$  (S1057). (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.

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