

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### TGF $\beta$ RII (I122) Peptide

Cat No.: BS1360P

#### Background

A total of three members of the TGF $\beta$  family, TGF $\beta$ 1, TGF $\beta$ 2 and TGF $\beta$ 3, have been identified in mammals. Each is synthesized as a latent precursor that is subsequently cleaved forming the 112 amino acid growth factor which becomes active upon dimerization. TGF $\beta$ s mediate their activity by high affinity binding to the type II receptor (TGF $\beta$  RII) transmembrane protein with a cytoplasmic serine-threonine kinase domain. For signaling growth inhibition and early gene responses the type II receptor requires both its kinase activity and association with a TGF $\beta$ -binding protein, designated the type I receptor. Two independent groups have recently described the cloning and sequence analysis of genes encoding TGF $\beta$  type I receptor proteins designated ALK-5 (T $\beta$ R-1) and TSR-1, respectively.

#### Swiss-Prot

P37173

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1360 TGF $\beta$  RII (I122) pAb.

#### Purification & Purity

Synthetic peptide TGF $\beta$  RII (I122). (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.