

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-PR/PGR (S294) Peptide

Cat No.: BS4868P

#### Background

The effects of progesterone are mediated by two functionally different isoforms of the progesterone receptor, PR-A and PR-B, which are transcribed from distinct, estrogen inducible promoters within a single copy of the PR gene. The PR-A and PR-B proteins are 90 kDa and 118 kDa respectively; the first 164 amino acids of PR-B are absent in PR-A. Progesterone bound PR-A and PR-B have different transcription activation properties. Specifically, PR-B functions as a transcriptional activator in most cell and promoter contexts, while PR-A is transcriptionally inactive and functions as a strong ligand dependent transdominant repressor of steroid hormone receptor transcriptional activity. An inhibitory domain (ID), which maps to the amino terminus of the receptor, exists within both PR isoforms.

#### Swiss-Prot

P06401

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4868 p-PR/PGR (S294) pAb.

#### Purification & Purity

Synthetic peptide p-PR/PGR (S294). (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.