

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### EP3 (R39) Peptide

Cat No.: BS3162P

#### Background

Prostaglandin E2 binds to four G protein-coupled E-prostanoid receptors, designated EP1, EP2, EP3 and EP4. The expression and function of the prostaglandin E2 receptors have been highly characterized in kidney. EP3, which is expressed in renal vessels, thick ascending limb and collecting duct, has at least six alternative splice variants that couple to Gi proteins to inhibit cAMP, which subsequently inhibit sodium and water transport. In uterus, EP3 induces the contraction of uterine smooth muscles. EP4 is expressed in glomerulus and collecting duct.

#### Swiss-Prot

P43115

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3162 EP3 (R39) pAb.

#### Purification & Purity

Synthetic peptide EP3 (R39). (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.