

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CYP19A1 (K243) Peptide

Cat No.: BS2516P

#### Background

P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds. P450 enzymes can be classified, based on their sequence similarities, into distinct subfamilies, which include CYP1A and CYP2A. Other P450 family members include CYP19, also designated aromatase (P450arom), which catalyzes the conversion of C19 steroids to estrogens in various tissues, including placenta, gonads, adipose tissue, skin and brain. CYP19 expression is controlled by hormonally regulated promoters in different tissues and increased aromatase activity is associated with familial gynecomastia. Also, a polymorphic allele of CYP19 (repeat (TTTA)<sub>12</sub>) is present in a majority of breast cancer patients.

#### Swiss-Prot

P11511

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2516 CYP19A1 (K243) pAb.

#### Purification & Purity

Synthetic peptide CYP19A1 (K243). (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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