

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CB1 (F189) Peptide

Cat No.: BS2712P

#### Background

The cannabinoid receptors (CB1 and CB2) are G-protein coupled receptors that inhibit adenylate cyclase activity in response to psychoactive cannabinoids. CB1 is expressed in brain tissue and, in low levels, in testis. Phosphorylation of CB1 on serine 316 leads to a disruption of CB1-mediated inhibition of calcium channels and activation of potassium currents. This response system is thought to be involved in specific brain functions, such as nociception, control of movement, memory, and neuroendocrine regulation as well as having a possible role in brain development. In addition, CB1 may mediate the addictive behavior involved with the use of psychoactive cannabinoids, such as THC in marijuana.

#### Swiss-Prot

P21554

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2712 CB1 (F189) pAb.

#### Purification & Purity

Synthetic peptide CB1 (F189). (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.