

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CysLTR1 (C173) Peptide

Cat No.: BS2592P

#### Background

Cysteinyl leukotriene (CysLTs) induce intracellular calcium mobilization through the binding of two distinct seven-transmembrane, G protein-coupled receptors, designated CysLT1 and CysLT2 receptors, to induce potent bronchoconstriction. Airway smooth muscle and macrophages express both receptor types, and additionally monocytes and eosinophils express CysLT1 receptor, while cardiac Purkinje cells, adrenal medulla, peripheral blood leukocytes and brain also utilize CysLT2 receptor. The effects of the CysLT receptors can be blocked by antagonists, indicating a therapeutic mechanism for the treatment of asthma and allergies.

#### Swiss-Prot

Q9Y271

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2592 CysLTR1 (C173) pAb.

#### Purification & Purity

Synthetic peptide CysLTR1 (C173). (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.