

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



TG1019 (R251) Peptide

Cat No.: BS3237P

Background

TG1019 is a G protein-coupled receptor that functions as a chemoattractant for eosinophils and neutrophils. TG1019 is expressed in various tissues except the brain, with the highest expression in liver, kidney, peripheral leukocyte, lung and spleen. TG1019 interacts with the protein OXE to form TG1019/OXE, a $G\alpha$ i/o protein-coupled receptor. Signals from TG1019 are transduced via a $G\alpha$ i/o protein to PLC/calcium, MEK/ERK and PI3K/Akt pathways. Signal transduction from TG1019 following stimulation with 5-oxo-6E,8Z,11Z,14Z eicosatetraenoic acid (5-oxo-ETE) induces intracellular calcium mobilization and rapid activation of MEK/ERK and PI3K/Akt pathways. TG1019 also may play a role in downregulating cAMP production.

Swiss-Prot

Q8TDS5

Applications

Blocking

Specificity

This peptide can be used with studies using BS3237 TG1019 (R251) pAb.

Purification & Purity

Synthetic peptide TG1019 (R251). (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.