



PRODUCT DATA SHEET

Product: EDG-6 Control

Cat. No: BC-014 (100 µl)

Background:

EDG-6 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-6 is a sphingosine-1-phosphate. There are 8 known members of the EDG receptor family and they are implicated in mediating growth related effects such as induction of cellular proliferation, alterations in differentiation and survival and suppression of apoptosis. They also evoke cellular effector functions that are dependent on cytoskeletal responses such as contraction, secretion, adhesion, and chemotaxis. EDG receptors are developmentally regulated and differ in tissue distribution. They couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C, and several protein tyrosine kinases. EDG-6 is expressed in lymphoid and hematopoietic tissue and in the lungs.

Description:

EDG-6 Transfected Cell Positive Control Lysate.

Applications:

For use as a positive control with EDG-6 polyclonal antibody catalog number PC-087 for Western blot analysis.

Use 10-20 µl of EDG-6 cell lysate per lane as a control when using EDG-6 antibody.

Storage and Stability:

Stable for one year when stored at -20°C. Aliquot to avoid freeze/thaw cycles.

Format:

Provided in 10% glycerol, 0.063 M Tris-HCl (pH 6.8), 2% SDS and 0.002% bromophenol blue and 5% 2-mercaptoethanol.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.