



## PRODUCT DATA SHEET

**Product:** EDG-4 Control

**Cat. No:** BC-012 (100 µl)

**Background:**

EDG-4 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-4 is lysophospholipid. 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-4 is expressed in testes, ovarian tumor and leukocyte containing tissues.

**Description:**

EDG-4 Transfected Cell Positive Control Lysate.

**Applications:**

For use as a positive control with EDG-4 monoclonal antibodies catalog numbers MC-914 and MC-915.

Use 10-20 µl of EDG-4 cell lysate per lane as a control for using EDG-4 antibody.

**Storage and Stability:**

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

**Format:**

Cell lysate provided in 10% glycerol, 0.063 M Tris-HCl (pH 6.8), 2% SDS and 0.002% bromophenol blue, 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.