



## PRODUCT DATA SHEET

### **Product:** EDG-1 Transfected Cell Positive Control Lysate

**Cat. No:** BC-009 (100 µl)

#### **Background:**

EDG-1 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-1 is 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. The couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG-1 is expressed in cardiovascular, leukocyte containing and other tissues.

#### **Use:**

For use as a positive control with the EDG-1 polyclonal antibody (PC-085) for Western blot analysis.

#### **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.

#### **Storage and Stability:**

Store at -20°C. Stable for at least 1 year when stored at -20°C. Aliquot to avoid freeze/thaw cycles.

#### **Applications and Suggested Dilutions:**

■ Western blotting: Use 10 µl per lane as a control for EDG-1 polyclonal antibody (PC-085). The optimal dilution for a specific application should be determined by the researcher.

#### **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.