

## PRODUCT DATA SHEET

**Product:** Anti-EDG-8 (CT) pAb

**Cat. No.:** PC-089 (100 µg)

**Background:**

Endothelial Cell Differentiation Gene-8 (EDG-8) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-8 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. They couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG-8 is expressed in oligodendrocytes and fibrous astrocytes in the rat brain.

**Specificity:**

Reacts with EDG-8.

**Species Reactivity:**

Human, other species not tested.

**Ig Isotype:**

Rabbit IgG

**Immunogen:**

Synthetic peptide derived from the C-terminus of the human EDG-8 protein.

**Format:**

Purified sterile filtered polyclonal antibody against human EDG-8 (CT). 100 µg/100 µL in PBS with 0.08% sodium azide.

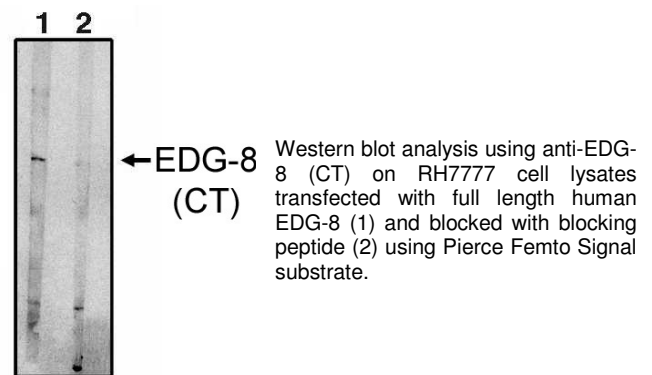
**Storage and Stability:**

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

**Applications and Suggested Dilutions:**

- Western Blot: Use at 5-10 µg/mL using a human EDG-8 receptor transfected cell line. Detects recombinant EDG-8 receptors with a band of about 42 kDa. [Note: Due to low expression of EDG receptors, we recommend use of Pierce Femto Signal substrate for Western blot development.]

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.