



PRODUCT DATA SHEET

Product: EDG-8 (CT) Blocking Peptide

Cat. No: BC-017 (50 µg)

Background:

EDG-8 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-8 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-8 is expressed in oligodendrocytes and fibrous astrocytes in the rat brain.

Applications:

For use with EDG-8 (CT) polyclonal antibody catalog number PC-089.

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°C for 20 min (molecular weights of peptide and antibody are 2.5 kDa and 160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Storage and Stability:

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

Format:

Provided as 1 mg/ml in PBS.

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.