



## EDG-6 Western Blot Control Lysate

EDG-6 Transfected Cell Positive Control Lysate

### BACKGROUND

EDG-6 belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG-6 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-6 is expressed in lymphoid and hematopoietic tissue and in the lungs.

### COMMENTS

For use as a positive control with Exalpha's EDG-6 polyclonal antibody (Cat. No. X1182P) for Western blot analysis.

### USE

Use 10-20  $\mu$ l of EDG-6 cell lysate (Cat. No. X1311C) per lane as a control for using EDG-6 antibody (Cat. No. X1182P). Due to low expression of EDG receptors, we recommend use of Pierce Femto Signal substrate for western blot development.

### ORDERING INFORMATION

**CATALOG NUMBER**  
X1311C

**SIZE**  
100  $\mu$ l

#### STORAGE CUSTOMER

Product should be stored at -20 degrees C. Aliquot to avoid freeze/thaw cycles

#### STABILITY

Products are stable for one year from purchase when stored properly

#### SHIP CONDITIONS

Ship on gel ice, do not freeze, freeze upon arrival

#### FORMULATION

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

For research use only. Not for use in human diagnostics or therapeutics.

Exalpha Biologicals, Inc. 86 Rosedale Road Watertown, MA 02472  
Tel: 800.395.1137 Fax: 866.924.5100 www.exalpha.com info@exalpha.com

LAST MODIFIED  
9/16/2002