



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Lysophosphatidic Acid Receptor 1 CT (EDG-2) Blocking Peptide

### BACKGROUND

Endothelial cell differentiation gene-2 (EDG2), or LPA1, receptor is a high affinity receptor for lysophosphatidic acid (LPA). EDG2 (LPA1), also known as lysophospholipid receptor A1, Vzq-1, mrec1.3 or GPCR26, like all other EDG receptors, couple multiple (3 or more) types of G proteins and transduce decreases in  $c[AMP]_i$  through  $G_i$  and increases in  $[Ca^{2+}]_i$  by augmenting phospholipase C through Gq/11 and beta/gamma dimers and by induction of PI3 kinase, p125 FAK, phospholipase D by activating rho through G12/13. Human EDG2 (LPA1) is present in high levels on oligodendrocytes and certain human malignant T cell lines. EDG2 (LPA1) receptors (with EDG4) may play a role in protecting cardiomyocytes from apoptosis induced by hypoxia and andrenergic stimulation.

### ORDERING INFORMATION

**CATALOG NUMBER**

X1269B

**SIZE**50  $\mu$ g**CUSTOMER STORAGE**

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

**FORMULATION**

Provided in solution at 1 mg/ml in phosphate buffered saline.

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STABILITY**

Products are stable for one year from purchase when stored properly

### COMMENTS

For use with EDG2 (LPA1) (CT) polyclonal antibody (Cat. No. C174P).

### INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (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.

Example: 10  $\mu$ l or 10  $\mu$ g of Exalpa's rabbit anti-EDG2 (LPA1) (CT) (Cat. No. C174P) is added to 10  $\mu$ g of blocking peptide for a total volume of 20  $\mu$ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).