



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Sphingosine 1 Phosphate 4 Receptor (NT) (EDG6) Blocking Peptide

### BACKGROUND

This peptide is the immunogen used to make Cat # X1593P. S1P4/EDG6 polyclonal antibody.

EDG6 (S1P<sub>4</sub>) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG6 (S1P<sub>4</sub>) 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. EDG6 (S1P<sub>4</sub>) is expressed in lymphoid and hematopoietic tissue and in the lungs.

### ORDERING INFORMATION

**CATALOG NUMBER**  
X2717B

**SIZE**  
50 µg

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

**FORMULATION**  
Provided as solution in phosphate buffered saline with 0.08% sodium azide

**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 S1P4 polyclonal antibody (Cat. No. X1593P). Optimal concentration should be evaluated by serial dilutions.

### INSTRUCTIONS

Use: Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°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 µl or 10 µg of Exalpha's rabbit anti-Lass2 (Cat. No. X2309P) is added to 10 µg of blocking peptide for a total volume of 20 µl. The mixture is allowed to incubate for 20 minutes at 37°C prior to dilution in suitable buffer (for Western blot, etc.).