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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Spingosine 1-Phosphate Phosphatase 2 Blocking Peptide

BACKGROUND

Spingosine 1-phosphate (S1P) is a highly bioactive lipid that has a myriad of biological effects both intracellularly as a second messenger and extracellularly by binding to the S1P(1-5)/G-protein-coupled receptors of the endothelial differentiation gene family. Intracellularly, at least two enzymes, sphingosine kinase (1 and 2) and S1P phosphatase, regulate the activity of S1P by governing the phosphorylation of S1P. SPPase2 is localized to the endoplasmic reticulum. The enzymatic activity and localization of SPPase2 are similar to SPPase1. The tissue expression of SPPase2 was different from that of SPPase1. SPPase2 is an important member of the SPPase family which play a role in attenuating intracellular S1P signaling.

ORDERING INFORMATION

CATALOG NUMBER

X1645B

SIZE

50 μ g

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**STABILITY**

Products are stable for one year from purchase when stored properly

COMMENTS

For use with Spingosine 1-Phosphate Phosphatase 2 polyclonal antibody (Cat. No. X1637P).

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 μ l or 10 μ g of Exalpha's rabbit anti-S1P Phosphatase 2 (Cat. No. X1637P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).