Human $S1P_3$/EDG-3 PE-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 776808

Catalog Number: FAB7524P

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human $S1P_3$/EDG-3 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 776808
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human $S1P_3$/EDG-3 Accession # Q99500
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

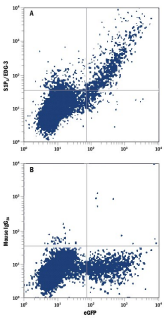
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of $S1P_3$/EDG-3 in NS0 Mouse Cell Line Transfected with Human $S1P_3$/EDG-3 and eGFP by Flow Cytometry. NS0 mouse myeloma cell line transfected with human $S1P_3$/EDG-3 and eGFP was stained with either (A) Mouse Anti-Human $S1P_3$/EDG-3 PE-conjugated Monoclonal Antibody (Catalog # FAB7524P) or (B) Mouse IgG_{2A} Phycoerythrin Isotype Control (Catalog # IC003P). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Sphingosine 1-Phosphate receptor-3 ($S1P_3$), also known as EDG-3, is a 378 amino acid (aa) seven-transmembrane receptor for the lysolipid phosphoric acid mediator, sphingosine 1-phosphate (S1P). $S1P_3$ interactions with S1P induce a range of responses including vasoconstriction, brachycardia, vascular endothelial and smooth muscle cell proliferation and migration, heart and liver fibrosis, and coagulation-induced inflammation. Extracellular portions of human $S1P_3$ show 74% aa identity with mouse and rat $S1P_3$.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956