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

Monoclonal Mouse IgG_{2A} Clone # 776808

Catalog Number: FAB7524A

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	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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.

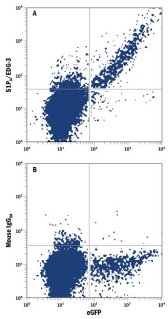
APPLICATIONS

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 APC-conjugated Monoclonal Antibody (Catalog # FAB7524A) or (B) Mouse IgG_{2A} Allophycocyanin Isotype Control (Catalog # IC003A). 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 $S1P_3$.

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