

# Human/Mouse S1P<sub>5</sub>/EDG-8 PE-conjugated Antibody

Monoclonal Mouse  $IgG_{2B}$  Clone # 282503

Catalog Number: FAB3964P 100 TESTS

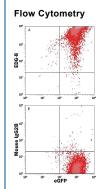
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects human and mouse S1P <sub>5</sub> /EDG-8 in flow cytometry. Stains human and mouse S1P <sub>5</sub> /EDG-8 transfectants but not irrelevant transfectants.		
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 282503		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	BaF3 mouse pro-B cell line transfected with human S1P <sub>5</sub> /EDG-8 Met1-Asp398 Accession # Q9H228		
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 Sh		
	(SDS) for additional information and handling instructions.		

#### **APPLICATIONS**

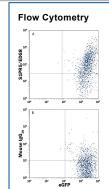
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below

#### DATA



Detection of S1P $_g$ /EDG-8 in HEK293 Human Cell Line Transfected with Human S1P $_g$ /EDG-8 by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human S1P $_g$ /EDG-8 was stained with Mouse Anti-Human S1P $_g$ /EDG-8 Peconjugated Monoclonal Antibody (Catalog # FAB3964P) and either (A) Mouse Anti-Human S1P $_g$ /EDG-8 PE-conjugated Monoclonal Antibody (Catalog # FAB3964P) or (B) Mouse  $\log_{2B}$  Phycoerythrin Isotype Control (Catalog # IC0041P). View our protocol for Staining Membrane-associated Proteins.



Detection of S1P<sub>g</sub>/EDG-8 in HEK293 Human Cell Line Transfected With Mouse S1P<sub>g</sub>/EDG-8 by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with mouse S1P<sub>g</sub>/EDG-8 and eGFP was stained with either (A) Mouse Anti-Human S1P<sub>g</sub>/EDG-8 PE-conjugated Monoclonal Antibody (Catalog #FAB3964P) or (B) Mouse IgG<sub>2B</sub> Phycoerythrin Isotype Control (Catalog # IC0041P). 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

 $\mathrm{S1P}_5$  is also known as EDG-8 and nerve growth factor-related G-protein-coupled receptor-1 (NRG-1).  $\mathrm{S1P}_5$  is a 398 amino acid (aa) seven-transmembrane receptor putative glycoprotein that binds the lysolipid phosphoric acid mediator, sphingosine 1-phosphate. Extracellular portions of human  $\mathrm{S1P}_5$  show 96% and 97% aa identity with mouse and rat  $\mathrm{S1P}_5$ , respectively. Isoform 1 is expressed at a low level in peripheral tissues. Isoform 2 has an alternate C-terminal that is 88 aa shorter and is expressed mainly in brain, spleen, and PBMC.  $\mathrm{S1P}_5$  is upregulated in large granular lymphocytic leukemias.

