

Human S1P₁/EDG-1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 218713 Catalog Number: MAB2016

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human S1P ₁ /EDG-1 by flow cytometry.
Source	Monoclonal Mouse IgG _{2B} Clone # 218713
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human S1P ₁ /EDG-1 Met1-Ser382 Accession # P21453
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

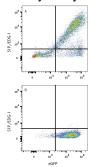
APPLICATIONS

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	0.25 μg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled u with conjugation.	sing established conjugation methods. No BSA or other carrier proteins that could interfere

DATA

Flow Cytometry



BACKGROUND

Detection of S1P₁/EDG-1 in CHO Chinese Hamster Cell Line Transfected with Human S1P₁/EDG-1 and eGFP by Flow Cytometry. CHO Chinese hamster ovary cell line transfected with either (A) human S1P₁/EDG-1 or (B) irrelevant transfectants and eGFP were stained with Mouse Anti-Human S1P₁/EDG-1 Monoclonal Antibody (Catalog # MAB2016) followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). Quadrant markers were set based on control antibody staining (Catalog # MAB0041). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution.	

6 months, -20 to -70 °C under sterile conditions after reconstitution.

S1P₁, also known as EDG-1, is a member of the endothelial differentiation gene family. It is a high affinity G protein-coupled receptor for the bioactive lipid, Sphingosine-1-phosphate. S1P₁ signaling regulates endothelial cell survival, cytoskeletal remodeling, chemotaxis, and angiogenesis.

Rev. 2/7/2018 Page 1 of 1

