

Human S1P₁/EDG-1 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 218713

Catalog Number: FAB2016V

100 µg

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	CHO Chinese hamster ovary cell line transfected with human S1P ₁ /EDG-1 and eGFP

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

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.

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