

Human S1P₂/EDG-5 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 368510

Catalog Number: FAB3649T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human S1P ₂ /EDG-5. Stains human S1P ₂ /EDG-5 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG ₁ Clone # 368510
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human S1P ₂ /EDG-5 Met1-Val353 Accession # AAC98919
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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	HEK293 human embryonic kidney cell line transfected with human S1P ₂ /EDG-5 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. ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

S1P₂ (sphingosine 1-phosphate receptor-2), also known as EDG-5 (endothelial differentiation, G-protein coupled receptor-5), is a 353 amino acid (aa) seven-transmembrane receptor putative glycoprotein that binds the lysolipid phosphoric acid mediator, sphingosine 1-phosphate. Extracellular portions of human S1P₂ show 82.5% aa identity with mouse S1P₂ and 92% aa identity with human EDG-3, the most closely related family member. Both are expressed predominantly in the lung, heart, kidney, liver, spleen, thymus, testis and brain, mediating both mitogenic and anti-apoptotic effects.

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