

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	Human S1P ₃ /EDG-3 transfected NS0 cells Accession # Q99500
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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	Human S1P ₃ /EDG-3 and eGFP co-transfectants

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

Sphingosine 1-Phosphate receptor-3 (S1P₃), also known as EDG-3, is a 378 amino acid (aa) seven-transmembrane receptor for the lysolipid phosphoric acid mediator, sphingosine 1-phosphate (S1P). S1P₃ interactions with S1P induce a range of responses including vasoconstriction, bradycardia, vascular endothelial and smooth muscle cell proliferation and migration, heart and liver fibrosis, and coagulation-induced inflammation. Extracellular portions of human S1P₃ show 74% aa identity with mouse and rat S1P₃.

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