

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human S1P <sub>3</sub> /EDG-3 in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 776808
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human S1P <sub>3</sub> /EDG-3 transfected NS0 cells  Accession # Q99500
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human S1P <sub>3</sub> /EDG-3 and eGFP co-transfectants

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

Sphingosine 1-Phosphate receptor-3 (S1P<sub>3</sub>), also known as EDG-3, is a 378 amino acid (aa) seven-transmembrane receptor for the lysolipid phosphoric acid mediator, sphingosine 1-phosphate (S1P). S1P<sub>3</sub> 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 S1P<sub>3</sub> show 74% aa identity with mouse and rat S1P<sub>3</sub>.

#### PRODUCT SPECIFIC NOTICES

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