

# Human S1P<sub>5</sub>/EDG-8 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG<sub>2B</sub> Clone # 282503

Catalog Number: FAB3964N  
100 µg

DESCRIPTION	
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human S1P <sub>5</sub> /EDG-8. Stains human S1P <sub>5</sub> /EDG-8 transfectants but not irrelevant transfectants.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 282503
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	BaF3 mouse pro-B cell line transfected with human S1P <sub>5</sub> /EDG-8 Met1-Asp398 Accession # Q9H228
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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		
<b>Please Note:</b> Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 human embryonic kidney cell line transfected with human S1P <sub>5</sub> /EDG-8 and eGFP

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> ● 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**  
S1P<sub>5</sub> is also known as EDG-8 and nerve growth factor-related G-protein-coupled receptor-1 (NRG-1). S1P<sub>5</sub> is a 398 amino acid (aa) seven-transmembrane receptor putative glycoprotein that binds the lysolipid phosphoric acid mediator, sphingosine 1-phosphate. Extracellular portions of human S1P<sub>5</sub> show 96% and 97% aa identity with mouse and rat S1P<sub>5</sub>, respectively. Isoform 1 is expressed at a low level in peripheral tissues. Isoform 2 has an alternate C-terminal that is 88 aa shorter and is expressed mainly in brain, spleen, and PBMC. S1P<sub>5</sub> is upregulated in large granular lymphocytic leukemias.

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