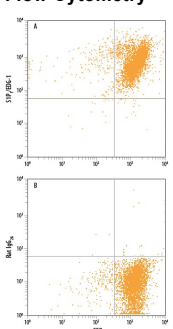
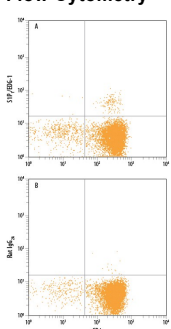


DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse S1P ₁ /EDG-1 peptide in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 713412
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse S1P ₁ /EDG-1 synthetic peptide (T4-H28) Accession # O08530
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	Recommended Concentration	Sample
Flow Cytometry	10 µL/10 ⁶ cells	See Below

DATA	
<p>Flow Cytometry</p>  <p>Detection of S1P₁/EDG-1 in HEK293 Human Cell Line Transfected with Mouse S1P₁/EDG-1 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with mouse S1P₁/EDG-1 and eGFP was stained with either (A) Rat Anti-Mouse S1P₁/EDG-1 PE-conjugated Monoclonal Antibody (Catalog # FAB7089P) or (B) Rat IgG_{2A} Phycoerythrin Isotype Control (Catalog # IC006P). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Flow Cytometry</p>  <p>Detection of S1P₁/EDG-1 in Mouse Thymocytes by Flow Cytometry. Mouse thymocytes were stained with Rat Anti-Mouse CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB554A) and either (A) Rat Anti-Mouse S1P₁/EDG-1 PE-conjugated Monoclonal Antibody (Catalog # FAB7089P) or (B) Rat IgG_{2A} Phycoerythrin Isotype Control (Catalog # IC006P). View our protocol for Staining Membrane-associated Proteins.</p>

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 (sphingosine 1-phosphate receptor-1), also known as EDG-1 (endothelial differentiation, G-protein coupled receptor-1) or S1PR1 (sphingosine-1-phosphate receptor 1) is a widely expressed, 37-40 kDa, G protein coupled receptor within the S1P subfamily of the EDG family. S1P₁ is one of five receptors for the bioactive lipid S1P and mediates most of S1P effects on angiogenesis, vascular maturation, and cell migration, especially T cell egress from lymphoid organs. Human and mouse S1P₁ share 84% amino acid identity within the N-terminal extracellular portion used as an immunogen.