

DESCRIPTION

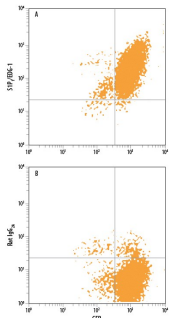
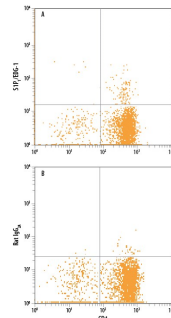
Species Reactivity	Mouse
Specificity	Detects mouse S1P ₁ /EDG-1 peptide in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 713412
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse S1P ₁ /EDG-1 synthetic peptide (T4-H28) Accession # O08530
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	5 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 GFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with mouse S1P₁/EDG-1 and GFP was stained with either (A) Rat Anti-Mouse S1P₁/EDG-1 Alexa Fluor® 700-conjugated Monoclonal Antibody (Catalog # FAB7089N) or (B) Rat IgG_{2A} Alexa Fluor 700 Isotype Control (Catalog # IC006N). 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 PE-conjugated Monoclonal Antibody (Catalog # FAB554P) and either (A) Rat Anti-Mouse S1P₁/EDG-1 Alexa Fluor® 700-conjugated Monoclonal Antibody (Catalog # FAB7089N) or (B) Rat IgG_{2A} Alexa Fluor 700 Isotype Control (Catalog # IC006N). 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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc. and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.