

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human S1P ₄ /EDG-6 transfectants but not the parental cell line in Flow Cytometry. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 1012512 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | NS0 mouse myeloma cell line transfected with human S1P ₄ /EDG-6 Met1-Ile384 Accession # O95977 |
| Conjugate | Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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 | HEK293 Human Cell Line Transfected with Human S1P ₄ /EDG-6 and eGFP |

PREPARATION AND STORAGE

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| 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

EDG-6 belongs to the G protein-coupled receptor 1 family. It is specifically expressed in fetal and adult lymphoid and hematopoietic tissue as well as in lung. EDG-6 is a receptor for the lysosphingolipid sphingosine 1- phosphate (S1P), a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. EDG-6 may be involved in cell migration processes that are specific for lymphocytes.

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