

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EBI2 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 486633
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived transfected with recombinant human EBI2 Accession # P32249
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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 EBI2 and eGFP and A549 human lung carcinoma cell line

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

Epstein-Barr virus-induced G-protein coupled receptor 2, also known as EBI2 or GPR183 is a G-protein coupled receptor (GPCR) expressed in lymphocytes that acts as a chemotactic receptor for B-cells, T-cells, splenic dendritic cells, and monocytes/macrophages. The GPR183 gene was identified by the up-regulation of its expression upon Epstein-Barr virus infection of the Burkitt's lymphoma cell line BL41. GPR183 collaborates with CXCR5 to mediate B cell homing within a lymph node, probably by forming a heterodimer with CXCR5 that affects its interaction with CXCL13

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