

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EBI2 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 486617
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 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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/GPR183 and eGFP

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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