Human CD79B
Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgM Clone # 683023
Catalog Number: FAB6620G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD79B in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse CD79B or recombinant human CD79A is observed.
Source	Monoclonal Mouse IgM Clone # 683023
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD79B Ala29-Asp159 Accession # P40259
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10^6 cells	Human peripheral blood lymphocytes

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.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD79B, also known as Igb and B29, is a 36 kDa transmembrane glycoprotein in the immunoglobulin superfamily. It contains a single Ig-like domain in its extracellular region (ECD) and one cytoplasmic immunoreceptor tyrosine-based activation motif (ITAM). Alternate splicing generates a short isoform that lacks nearly the entire Ig-like domain. Heterodimers of CD79A/Iga and CD79B associate with a membrane bound immunoglobulin on the B cell surface to form the B cell antigen receptor complex (BCR). CD79A and CD79B are required for BCR-mediated signaling and consequently for the development and activation of B lineage cells. Within the ECD (aa 29-159), human CD79B shares 54% aa sequence identity with mouse CD79B.

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