Human CD79A
Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 706931

Catalog Number: FAB69201V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD79A in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse CD79A is observed.
Source	Monoclonal Mouse IgG_1 Clone # 706931
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD79A Leu33-Arg143 Accession # P11912
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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 monocytes treated with Recombinant Human IL-2 (Catalog # 202-IL)

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

CD79A, also known as Igα and MB-1, is a 44 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 with a 39 aa deletion in the ECD. Heterodimers of CD79A and CD79B/Igβ 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, human CD79A shares 57% aa sequence identity with mouse and rat CD79A.

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