

CD79a Monoclonal Antibody (24C2.5), FITC, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	24C2.5
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1582245

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	-

Product Specific Information

Description: This 24C2.5 monoclonal antibody reacts with the intracellular tail of mouse CD79a (also known as Ig alpha or mb-1), a signaling component of the B cell receptor (BCR). CD79a heterodimerizes with CD79b (Ig beta, B29), and together with surface Ig, make up the BCR. Both CD79 subunits consist of a single extracellular Ig domain, a transmembrane domain, and an intracellular signaling domain. CD79a is expressed almost exclusively on B cells, as well as in most B lineage acute lymphoblastic leukemias. The cytoplasmic domain of CD79a contains immunoreceptor tyrosine-based activation motifs (ITAMs), which constitute the signal transducing portions of the BCR. Tyrosine phosphorylation of these ITAMs by Syk and Lyn initiates numerous signaling cascades, resulting in B cell activation, proliferation, and differentiation.

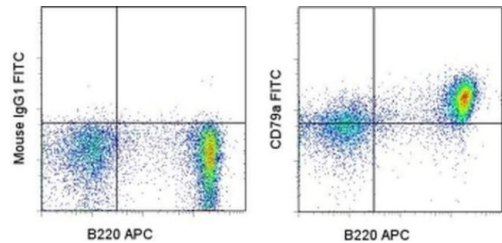
Applications Reported: This 24C2.5 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This 24C2.5 antibody has been tested by flow cytometric analysis on mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD79a Monoclonal Antibody (24C2.5), FITC, eBioscience™



CD79a Antibody (11-0791-80) in Flow

Intracellular staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (Product # 17-0452-82) and 0.25 µg of Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (left) or 0.5 µg of Anti-Mouse CD79a FITC (right). Total viable cells were used for analysis.

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