

CD19 Monoclonal Antibody (eBio1D3 (1D3)), APC, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio1D3 (1D3)
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	0.2 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_1659676

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	124 Publications

Product Specific Information

Description: The eBio1D3 monoclonal antibody reacts with mouse CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, MHC class II, and CD19 form a multimolecular complex that associates with the BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells.

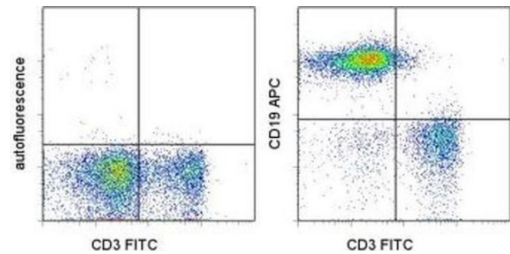
Applications Reported: This eBio1D3 (1D3) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio1D3 (1D3) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD19 Monoclonal Antibody (eBio1D3 (1D3)), APC, eBioscience™



CD19 Antibody (17-0193-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and staining buffer (autofluorescence) (left) or 0.06 µg of Anti-Mouse CD19 APC (right). Cells in the lymphocyte gate were used for analysis.

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124 References

Flow Cytometry (124)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>MiR-155-targeted IcosL controls tumor rejection.</p> <p>"Published figure using CD19 monoclonal antibody (Product # 17-0193-82) in Flow Cytometry"</p> <p>Authors: Tili E,Otsu H,Commisso TL,Palamarchuk A,Balatti V,Michaille JJ,Nuovo GJ,Croce CM</p>	<p>Year 2024</p>
<p>Pharmaceutics</p> <p>Macrophage Reprogramming via the Modulation of Unfolded Protein Response with siRNA-Loaded Magnetic Nanoparticles in a TAM-like Experimental Model.</p> <p>"17-0193-82 was used in Flow cytometry/Cell sorting to provide a novel strategy for the development of new tumor immunotherapies in vivo."</p> <p>Authors: D'Urso A,Oltolina F,Borsotti C,Prat M,Colangelo D,Follenzi A</p>	<p>Year 2023</p> <p>Species Mouse</p> <p>Dilution 1:50</p>

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