

CD19 Monoclonal Antibody (eBio1D3 (1D3)), PE-Cyanine5.5, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio1D3 (1D3)
Conjugate	PE-Cyanine5.5
Excitation/Emission Max	564/692 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_891395

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	57 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 1D3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio1D3 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.

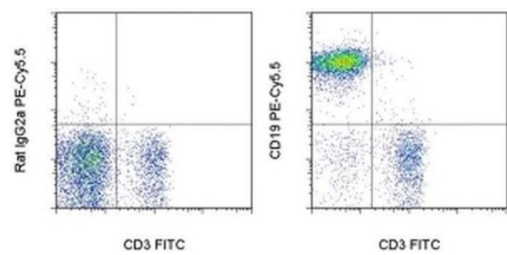
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 488-561 nm; Emission: 695 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

Product Images For CD19 Monoclonal Antibody (eBio1D3 (1D3)), PE-Cyanine5.5, eBioscience™



CD19 Antibody (35-0193-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.06 µg of Rat IgG2a K Isotype Control PE-Cyanine5-5 (Product # 35-4321-82) (left) or 0.06 µg of Anti-Mouse CD19 PE-Cyanine5-5 (right). Cells in the lymphocyte gate were used for analysis.

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57 References

Flow Cytometry (57)

NPJ vaccines		Year
Enhanced germinal center reaction by targeting vaccine antigen to major histocompatibility complex class II molecules.		2023
"35-0193 was used in Flow cytometry/Cell sorting to study the underlying mechanism by which the targeting of antigen to MHCII on antigen-presenting cells increases antibody responses."		Species
Authors: Andersen TK,Huszthy PC,Gopalakrishnan RP,Jacobsen JT,Fauskanger M,Tveita AA,Grødeland G,Bogen B		Mouse
Cells		Year
Cissus quadrangularis (Hadjod) Inhibits RANKL-Induced Osteoclastogenesis and Augments Bone Health in an Estrogen-Deficient Preclinical Model of Osteoporosis Via Modulating the Host Osteoimmune System.		2023
"Published figure using CD19 monoclonal antibody (Product # 35-0193-82) in Flow Cytometry"		
Authors: Azam Z,Sapra L,Baghel K,Sinha N,Gupta RK,Soni V,Saini C,Mishra PK,Srivastava RK		

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More applications with references on thermofisher.cn

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