

# CD19 Monoclonal Antibody (eBio1D3 (1D3)), PerCP-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), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio1D3 (1D3)
Conjugate	PerCP-Cyanine5.5
Excitation/Emission Max	489/679 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_1106999

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	92 Publications

## Product Specific Information

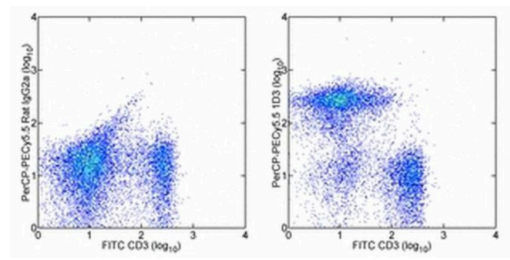
**Description:** The eBio1D3 monoclonal antibody reacts with mouse CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, MHC class 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 0.25 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 488 nm; **Emission:** 695 nm; **Laser:** Blue Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



**CD19 Antibody (45-0193-82) in Flow**  
Staining of C57BL/6 splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.125 µg of Rat IgG2a K Isotype Control PerCP-Cyanine5-5 (Product # 45-4321-80) (left) or 0.125 µg of Anti-Mouse CD19 PerCP-Cyanine5-5 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on [thermofisher.com](https://thermofisher.com)

93 References

Immunocytochemistry (1)

<b>Neurology(R) neuroimmunology &amp; neuroinflammation</b> <b>CNS accumulation of regulatory B cells is VLA-4-dependent.</b> "45-0193 was used in Immunocytochemistry to demonstrate that accumulation of Breg in the CNS is dependent on VLA-4." Authors: Lehmann-Horn K,Sagan SA,Winger RC,Spencer CM,Bernard CC,Sobel RA,Zamvil SS	<b>Year</b> 2016  <b>Species</b> Mouse
---	--

Flow Cytometry (92)

<b>Oncogene</b> <b>FANCA deficiency promotes leukaemic progression by allowing the emergence of cells carrying oncogenic driver mutations.</b> "45-0193-82 was used in Flow cytometry/Cell sorting to indicate that loss of the FANCA pathway, known to control genetic instability, fosters the expansion of leukaemic cells carrying oncogenic mutations rather than mutation formation." Authors: Pawlikowska P,Delestré L,Gregoricchio S,Oppezzo A,Esposito M,Diop MB,Rosselli F,Guillouf C	<b>Year</b> 2023  <b>Species</b> Mouse
--	--

<b>Cells</b> <b>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.</b> "45-0193-82 was used in Flow cytometry/Cell sorting to demonstrate that, in a dose-dependent manner CQ, suppresses the RANKL-induced osteoclastogenesis (p 0.001) as well as inhibiting the osteoclast functional activity (p 0.001) in mouse bone marrow cells (BMCs)." Authors: Azam Z,Sapra L,Baghel K,Sinha N,Gupta RK,Soni V,Saini C,Mishra PK,Srivastava RK	<b>Year</b> 2023  <b>Species</b> Mouse
---	--

View more Flow references on [thermofisher.com](https://thermofisher.com)

More applications with references on [thermofisher.com](https://thermofisher.com)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.