

CD19 Monoclonal Antibody (eBio1D3 (1D3)), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio1D3 (1D3)
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2688107

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	15 Publications

Product Specific Information

Description: The eBio1D3 (1D3) 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 may be used at less than or equal to 0.5 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.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

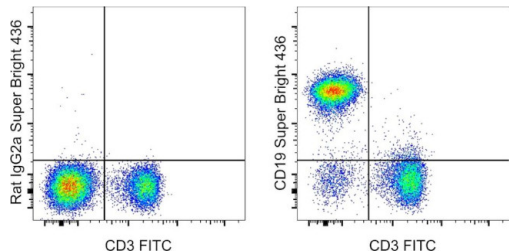
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright

Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD19 Monoclonal Antibody (eBio1D3 (1D3)), Super Bright™ 436, eBioscience™



CD19 Antibody (62-0193-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3 Monoclonal Antibody, FITC (Product # 11-0031) and 0.25 μ g of Rat IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4321) (left) or 0.25 μ g of CD19 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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

16 References

Immunohistochemistry (1)

MedComm

Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of *Pseudomonas aeruginosa*.

"Published figure using CD19 monoclonal antibody (Product # 62-0193-82) in Immunohistochemistry"

Authors: Hu X,Wu M,Ma T,Zhang Y,Zou C,Wang R,Zhang Y,Ren Y,Li Q,Liu H,Li H,Wang T,Sun X,Yang Y,Tang M,Li X, Li J,Gao X,Li T,Zhou X

Year
2022

Flow Cytometry (15)

Cells

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.

"Published figure using CD19 monoclonal antibody (Product # 62-0193-82) in Flow Cytometry"

Authors: Azam Z,Sapra L,Baghel K,Sinha N,Gupta RK,Soni V,Saini C,Mishra PK,Srivastava RK

Year
2023

Cell death & disease

Valosin-containing protein (VCP/p97) inhibition reduces viral clearance and induces toxicity associated with muscular damage.

"Published figure using CD19 monoclonal antibody (Product # 62-0193-82) in Flow Cytometry"

Authors: Del Rio Oliva M,Basler M

Year
2022

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More applications with references on thermofisher.com

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