

# CD19 Monoclonal Antibody (HIB19), Super Bright™ 436, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIB19
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
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_2637386

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	25 Publications

## Product Specific Information

**Description:** The HIB19 monoclonal antibody reacts with human 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, Leu13, MHC class II, and CD19 form a multimolecular complex that associates with BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells. The SJ25C1 antibody and the HIB19 monoclonal antibody recognize overlapping epitopes.

**Applications Reported:** This HIB19 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This HIB19 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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 10<sup>5</sup> to 10<sup>8</sup> cells /test.

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.

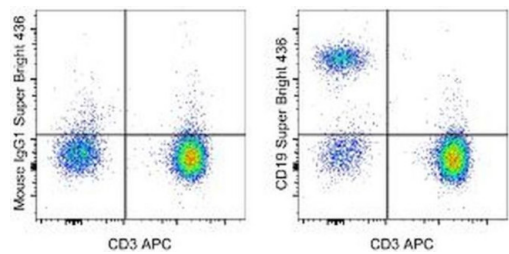
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright

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 (H1B19), Super Bright™ 436, eBioscience™**



**CD19 Antibody (62-0199-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD3 APC (Product # 17-0038-42) and Mouse IgG1 K Isotype Control Super Bright 436 (Product # 62-4714-82) (left) or Anti-Human CD19 Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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

Immunocytochemistry (1)

Arthritis & rheumatology (Hoboken, N.J.)	Year 2014
<b>The role of transforming growth factor signaling in fibroblast-like synoviocytes from patients with oligoarticular juvenile idiopathic arthritis: dysregulation of transforming growth factor signaling, including overexpression of bone morphogenetic protein 4, may lead to a chondrocyte phenotype and may contribute to bony hypertrophy.</b>	
"Published figure using CD19 monoclonal antibody (Product # 62-0199-42) in Immunofluorescence"	
Authors: Brescia AC,Simonds MM,McCahan SM,Fawcett PT,Rose CD	

Flow Cytometry (25)

Frontiers in oncology	Year 2024
<b>Phenotyping of lymphoproliferative tumours generated in xenografts of non-small cell lung cancer.</b>	
"Published figure using CD19 monoclonal antibody (Product # 62-0199-42) in Flow Cytometry"	
Authors: Pearce DR,Akarca AU,De Maeyer RPH,Kostina E,Huebner A,Sivakumar M,Karasaki T,Shah K,Janes SM,McGranahan N,Reddy V,Akbar AN,Moore DA,Marafioti T,Swanton C,Hynds RE	

Annals of translational medicine	Year 2023
<b>Human serum albumin promotes self-renewal and expansion of umbilical cord blood CD34<sup>+</sup> hematopoietic stem/progenitor cells.</b>	
"Published figure using CD19 monoclonal antibody (Product # 62-0199-42) in Flow Cytometry"	
Authors: Hua J,Jiao T,Qiao Y,Zhang S,Xiao T,Zhang Y,Yan J	

[View more Flow references on thermofisher.cn](#)

More applications with references on thermofisher.cn

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