

CD19 Monoclonal Antibody (HIB19), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIB19
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10804519

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	48 Publications

Product Specific Information

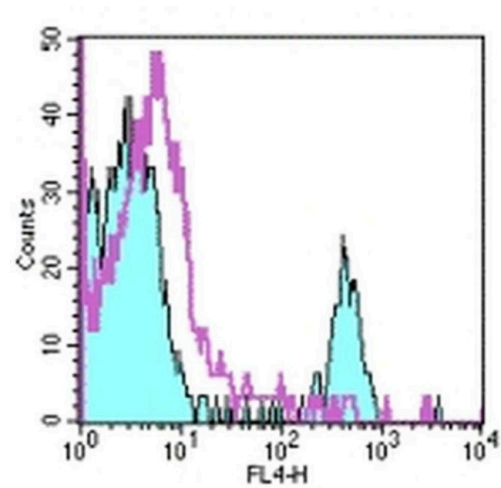
Description: The HIB19 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, Leu13, MHC class 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: The 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 (0.125 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 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD19 Antibody (17-0199-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (open histogram) or Anti-Human CD19 APC (filled histogram). Cells in the lymphocyte gate were used for analysis.

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48 References

Flow Cytometry (48)

<p>Annals of translational medicine</p> <p>Human serum albumin promotes self-renewal and expansion of umbilical cord blood CD34⁺ hematopoietic stem/progenitor cells.</p> <p>"Published figure using CD19 monoclonal antibody (Product # 17-0199-42) in Flow Cytometry"</p> <p>Authors: Hua J,Jiao T,Qiao Y,Zhang S,Xiao T,Zhang Y,Yan J</p>	<p>Year</p> <p>2023</p>
<p>Cells</p> <p>The Composition of Adipose-Derived Regenerative Cells Isolated from Lipoaspirate Using a Point of Care System Does Not Depend on the Subject's Individual Age, Sex, Body Mass Index and Ethnicity.</p> <p>"17-0199-42 was used in Flow cytometry/Cell sorting to show that key characteristics of unmodified, autologous, adipose-derived regenerative cells (UA-ADRCs) can be independent of the subject's age, sex, BMI and ethnicity."</p> <p>Authors: Schmitz C,Alt C,Azares AR,Pearce DA,Facile TR,Furia JP,Maffulli N,Huang C,Alt EU</p>	<p>Year</p> <p>2022</p> <p>Species</p> <p>Human</p>

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