

CD21 Monoclonal Antibody (HB5), Super Bright™ 436, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HB5
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_2716989

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5µL (0.25 µg)/test	1 Publication

Product Specific Information

Description: The HB5 monoclonal antibody reacts with human CD21, an approximately 145 kDa type I transmembrane protein. CD21 is expressed by mature B cells, folliculate dendritic cells and a subset of epithelial cells and is a receptor for complement component C3d and Epstein-Barr virus (EBV). CD21, in association with CD19 and CD81, participates in the multimolecular complex with BCR and is involved in B cell activation.

Applications Reported: This HB5 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HB5 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (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 10⁵ to 10⁸ cells/test.

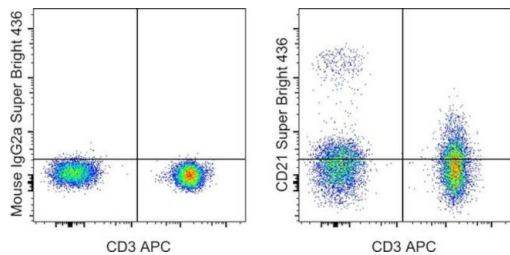
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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 CD21 Monoclonal Antibody (HB5), Super Bright™ 436, eBioscience™



CD21 Antibody (62-0219-42) in Flow
Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, APC (Product # 17-0038-42) and Mouse IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4724-82) (left) or CD21 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

<p>The Journal of experimental medicine</p> <p>Deregulated Notch and Wnt signaling activates early-stage myeloid regeneration pathways in leukemia.</p> <p>"Published figure using CD21 monoclonal antibody (Product # 62-0219-42) in Flow Cytometry"</p> <p>Authors: Kang YA,Pietras EM,Passegué E</p>	<p>Year</p> <p>2020</p>
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