

# CD20 Monoclonal Antibody (2H7), Super Bright™ 436, eBioscience™

## Product Details

Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2H7
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_2662548

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Flow Cytometry (Flow)	5µL (0.25 µg)/test	4 Publications

## Product Specific Information

**Description:** The 2H7 monoclonal antibody reacts with human CD20, a 33-36 kDa transmembrane protein. CD20 is expressed by developing B cells as well as mature B cells but not plasma cells. CD20 has been detected at low levels on a small subset of mature T cells. It is suggested that CD20 plays a role in B-cell activation.

**Applications Reported:** This 2H7 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This 2H7 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

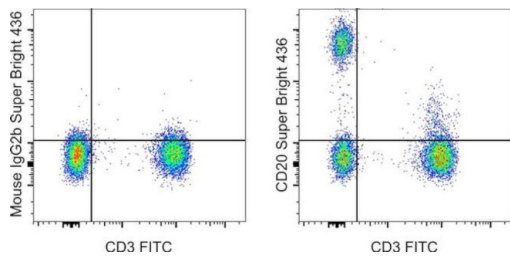
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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 CD20 Monoclonal Antibody (2H7), Super Bright™ 436, eBioscience™**



**CD20 Antibody (62-0209-42) in Flow**  
Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (Product # 11-0038-42) and Mouse IgG2b K Isotype Control Super Bright 436 (Product # 62-4732-82) (left) or Anti-Human CD20 Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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

## Immunohistochemistry (2)

Frontiers in immunology

### IL-33 Alarmin and Its Active Proinflammatory Fragments Are Released in Small Intestine in Celiac Disease.

"Published figure using CD20 monoclonal antibody (Product # 62-0209-42) in Immunohistochemistry"

Authors: Perez F,Ruera CN,Miculan E,Carasi P,Dubois-Camacho K,Garbi L,Guzman L,Hermoso MA,Chirido FG

Year  
2021

Stem cell research & therapy

### Relative safety of various spermatogenic stem cell purification methods for application in spermatogenic stem cell transplantation.

"Published figure using CD20 monoclonal antibody (Product # 62-0209-42) in Flow Cytometry"

Authors: Tian J,Ma K,Pei CB,Zhang SH,Li X,Zhou Y,Yan B,Wang HY,Ma LH

Year  
2019

## Flow Cytometry (4)

Aging and disease

### A Soluble NK-CAR Mediates the Specific Cytotoxicity of NK Cells toward the Target CD20<sup>+</sup> Lymphoma Cells.

"Published figure using CD20 monoclonal antibody (Product # 62-0209-42) in Flow Cytometry"

Authors: Liu R,Luo Q,Luo W,Wan L,Zhu Q,Yin X,Lu X,Song Z,Wei L,Xiang Z,Zou Y

Year  
2022

Scientific reports

### TRPA1 triggers hyperalgesia and inflammation after tooth bleaching.

"Published figure using CD20 monoclonal antibody (Product # 62-0209-42) in Flow Cytometry"

Authors: Chen C,Huang X,Zhu W,Ding C,Huang P,Li R

Year  
2021

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

## More applications with references on thermofisher.com

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