

# CD20 Monoclonal Antibody (2H7), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Rhesus monkey
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2H7
Conjugate	PE
Excitation/Emission Max	565/576 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_10854283

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	11 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.

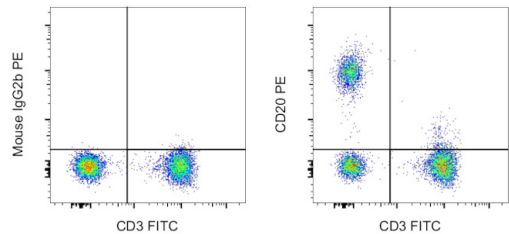
Applications Reported: The 2H7 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 2H7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 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.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD20 Monoclonal Antibody (2H7), PE, eBioscience™



**CD20 Antibody (12-0209-42) in Flow**  
Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, FITC (Product # 11-0038-42) and Mouse IgG2b kappa Isotype Control, PE (Product # 12-4732-82) (left) or CD20 Monoclonal Antibody, PE (right). Cells in the lymphocyte gate were used for analysis.

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11 References

Flow Cytometry (11)

<p><b>Aging and disease</b></p> <p><b>A Soluble NK-CAR Mediates the Specific Cytotoxicity of NK Cells toward the Target CD20<sup>+</sup> Lymphoma Cells.</b></p> <p>"Published figure using CD20 monoclonal antibody (Product # 12-0209-42) in Flow Cytometry"</p> <p>Authors: Liu R,Luo Q,Luo W,Wan L,Zhu Q,Yin X,Lu X,Song Z,Wei L,Xiang Z,Zou Y</p>	<p><b>Year</b></p> <p>2022</p>
<p><b>Scientific reports</b></p> <p><b>TRPA1 triggers hyperalgesia and inflammation after tooth bleaching.</b></p> <p>"Published figure using CD20 monoclonal antibody (Product # 12-0209-42) in Flow Cytometry"</p> <p>Authors: Chen C,Huang X,Zhu W,Ding C,Huang P,Li R</p>	<p><b>Year</b></p> <p>2021</p>

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