

CD20 Monoclonal Antibody (2H7), APC, eBioscience

Product Details

Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), APC, eBioscience
Class	Monoclonal
Type	Antibody
Clone	2H7
Conjugate	APC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10670628

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	16 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.

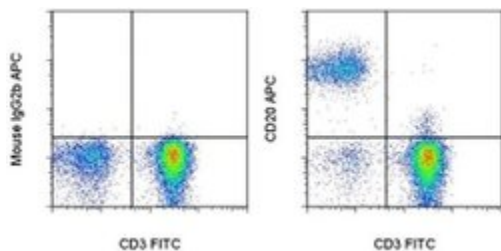
Applications Reported: This 2H7 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 2H7 antibody has been pre-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 10⁵ to 10⁸ cells/test.

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

Filtration: 0.2 µm post-manufacturing filtered.

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



CD20 Antibody (17-0209-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (Product # 11-0038-42) and Mouse IgG2b K Isotype Control APC (Product # 17-4732-81) (left) or Anti-Human CD20 APC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

16 References

Flow Cytometry (16)

mAbs

A novel platform to produce human monoclonal antibodies: The next generation of therapeutic human monoclonal antibodies discovery.

"17-0209 was used in Flow cytometry/Cell sorting to study platforms upon which to produce therapeutic human monoclonal antibodies."

Authors: Duvall M,Bradley N,Fiorini RN

Species
Human

Dilution
Not Cited

Year
2011

Nature communications

Evidence for persistence of the SHIV reservoir early after MHC haploidentical hematopoietic stem cell transplantation.

"Published figure using CD20 monoclonal antibody (Product # 17-0209-42) in Flow Cytometry"

Authors: Colonna L,Peterson CW,Schell JB,Carlson JM,Tkachev V,Brown M,Yu A,Reddy S,Obenza WM,Nelson V, Polacino PS,Mack H,Hu SL,Zeleski K,Hoffman M,Olvera J,Furlan SN,Zheng H,Taraseviciute A,Hunt DJ,Betz K,Lane JF, Vogel K,Hotchkiss CE,Moats C,Baldessari A,Murnane RD,English C,Astley CA,Wangari S,Agricola B,Ahrens J, Iwayama N,May A,Stensland L,Huang MW,Jerome KR,Kiem HP,Kean LS

Species
Not Applicable

Dilution
Not Cited

Year
2018

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More applications with references on thermofisher.com

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