

CD20 Monoclonal Antibody (2H7), Alexa Fluor™ 700, 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), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2H7
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 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_1963574

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
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: This 2H7 antibody has been reported for use in flow cytometric analysis.

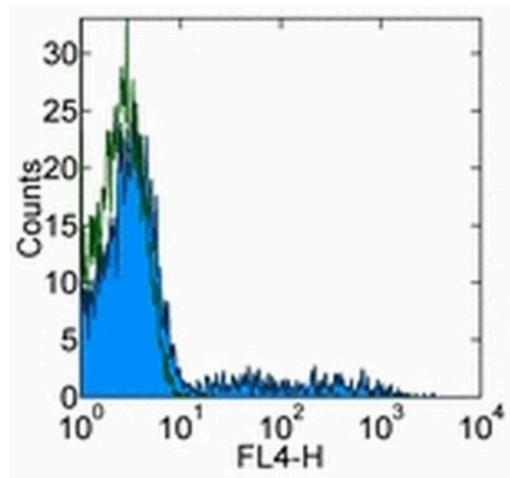
Applications Tested: This 2H7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD20 Monoclonal Antibody (2H7), Alexa Fluor™ 700, eBioscience™



CD20 Antibody (56-0209-42) in Flow
Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or Anti-Human CD20 Alexa Fluor® 700 (filled histogram). Cells in the lymphocyte gate were used for analysis.

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

Immunohistochemistry (4)

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 # 56-0209-42) 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 # 56-0209-42) in Immunohistochemistry"

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

Year
2019

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

Immunocytochemistry (1)

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 # 56-0209-42) in Immunohistochemistry"

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

Year
2019

Flow Cytometry (11)

Aging and disease

A Soluble NK-CAR Mediates the Specific Cytotoxicity of NK Cells toward the Target CD20⁺ Lymphoma Cells.

"Published figure using CD20 monoclonal antibody (Product # 56-0209-42) 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

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

More applications with references on thermofisher.com

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