

CD32 Monoclonal Antibody (6C4 (CD32)), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	6C4 (CD32)
Conjugate	APC
Excitation/Emission Max	651/660 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_1272032

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	5 Publications

Product Specific Information

Description: This 6C4 monoclonal antibody reacts with human CD32 (also known as Fc gammaRII). This antibody recognizes two isoforms of the receptor, Fc gammaRIIA and Fc gammaRIIB. These 40-kDa polymorphic transmembrane glycoproteins are expressed on B cells, granulocytes, monocytes, macrophages, and platelets. Moreover, these receptors are detected on natural killer cells. CD32 enables interaction between Fc gammaRII-expressing cells and opsonized antigen or IgG-containing immune complexes. Both receptors exhibit low affinity towards IgG and play a role in inflammation and autoimmune disease. This clone has been reported to inhibit Ig binding in a rosette blocking assay.

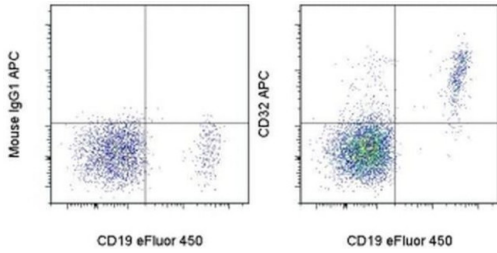
Applications Reported: This 6C4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 6C4 (CD32) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.5 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 CD32 Monoclonal Antibody (6C4 (CD32)), APC, eBioscience™



CD32 Antibody (17-0329-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 eFluor® 450 (Product # 48-0199-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD32 APC (right). Cells in the lymphocyte gate were used for analysis.

5 References

Flow Cytometry (5)

Cytometry. Part A : the journal of the International Society for Analytical Cytology

Application of area scaling analysis to identify natural killer cell and monocyte involvement in the GranToxiLux antibody dependent cell-mediated cytotoxicity assay.

"17-0329 was used in Flow cytometry/Cell sorting to show ASA use in ADCC-GTL assays provides additional assessment of the ability of natural and vaccine-induced antibodies to recruit NK cells."

Authors: Pollara J,Orlandi C,Beck C,Edwards RW,Hu Y,Liu S,Wang S,Koup RA,Denny TN,Lu S,Tomaras GD,DeVico A, Lewis GK,Ferrari G

Year
2018

Species
Human

Dilution
1:20

Mediators of inflammation

The Correlation of CD206, CD209, and Disease Severity in Behçet's Disease with Arthritis.

"17032942 was used in flow cytometry to elucidate the role of pattern recognition receptors in Bechet's disease"

Authors: Choi B,Suh CH,Kim HA,Sayeed HM,Sohn S

Year
2017

Species
Human

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

More applications with references on thermofisher.com

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