

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

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	6C4 (CD32)
Conjugate	FITC
Excitation/Emission Max	498/517 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_11150052

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	2 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.

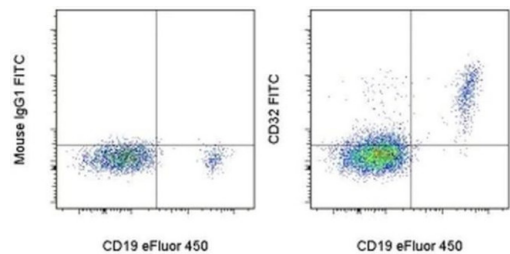
Applications Reported: This 6C4 (CD32) antibody has been reported for use in flow cytometric analysis.

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 (0.25 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 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD32 Monoclonal Antibody (6C4 (CD32)), FITC, eBioscience™



CD32 Antibody (11-0329-42) 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 FITC (Product # 11-4714-42) (left) or Anti-Human CD32 FITC (right). Cells in the lymphocyte gate were used for analysis.

3 References

Immunohistochemistry (1)

<p>PloS one</p> <p>Mechanisms controlling the effects of bevacizumab (avastin) on the inhibition of early but not late formed corneal neovascularization.</p> <p>"Published figure using CD32 monoclonal antibody (Product # 11-0329-42) in Immunohistochemistry"</p> <p>Authors: Chen WL,Chen YM,Chu HS,Lin CT,Chow LP,Chen CT,Hu FR</p>	<p>Year 2014</p>
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Flow Cytometry (2)

<p>Scientific reports</p> <p>Human Schwann cells are susceptible to infection with Zika and yellow fever viruses, but not dengue virus.</p> <p>"11-0329 was used in Flow cytometry/Cell sorting to demonstrates the susceptibility and biological responses of Schwann cells to ZIKV infection of potential importance for the pathogenesis of ZIKV-associated Guillain-Barre syndrome."</p> <p>Authors: Dhiman G,Abraham R,Griffin DE</p>	<p>Year 2019</p> <p>Species Human</p>
<p>Journal of neurovirology</p> <p>Immortalization of primary microglia: a new platform to study HIV regulation in the central nervous system.</p> <p>"Published figure using CD32 monoclonal antibody (Product # 11-0329-42) in Flow Cytometry"</p> <p>Authors: Garcia-Mesa Y,Jay TR,Checkley MA,Luttge B,Dobrowolski C,Valadkhan S,Landreth GE,Karn J,Alvarez-Carbonell D</p>	<p>Year 2017</p>

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