

# CD32 Monoclonal Antibody (6C4 (CD32)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	6C4 (CD32)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2848268

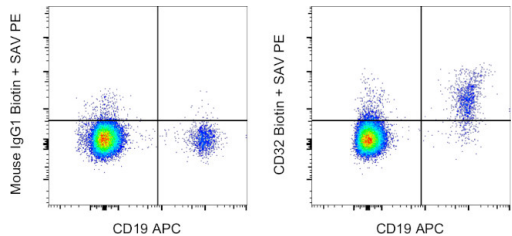
Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg /test	1 Publication

## 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 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at less than or equal to 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.



**CD32 Antibody (13-0329-82) in Flow**

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, APC (Product # 17-0199-42) and Mouse IgG1 kappa Isotype Control, Biotin (Product # 13-4714-85) (left) or CD32 Monoclonal Antibody, Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

2 References

Immunohistochemistry (1)

<p>PloS one</p> <p><b>Mechanisms controlling the effects of bevacizumab (avastin) on the inhibition of early but not late formed corneal neovascularization.</b></p> <p>"Published figure using CD32 monoclonal antibody (Product # 13-0329-82) in Immunohistochemistry"</p> <p>Authors: Chen WL,Chen YM,Chu HS,Lin CT,Chow LP,Chen CT,Hu FR</p>	<p>Year</p> <p>2014</p>
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Flow Cytometry (1)

<p>Journal of neurovirology</p> <p><b>Immortalization of primary microglia: a new platform to study HIV regulation in the central nervous system.</b></p> <p>"Published figure using CD32 monoclonal antibody (Product # 13-0329-82) 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</p> <p>2017</p>
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