

CD32 Monoclonal Antibody (6C4 (CD32)), Functional Grade, eBioscience™

Product Details	
Size	50 µg
Species reactivity	Human
Published species	Human
Host / Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	6C4 (CD32)
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4°C
RRID	AB_1311188

Applications	Tested Dilution	Publications
Blocking Assay (BLOCK)	-	2 Publications
Flow Cytometry (Flow)	1 µg/test	1 Publication
Functional Assay (Functional)	Assay-Dependent	-
Inhibition Assays (IA)	-	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 Tested: This 6C4 (CD32) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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