

CD16/CD32 Monoclonal Antibody (93), Super Bright™ 600, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 600, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	93
Conjugate	Super Bright™ 600
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2688072

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	-

Product Specific Information

Description: The 93 monoclonal antibody reacts with an epitope shared by mouse CD16 and CD32. CD16 (Fc gamma III Receptor) and CD32 (Fc gamma II Receptor) are the low affinity receptors for the mouse IgG Fc portion and are expressed by B cells, monocyte/macrophages, NK cells, and neutrophils.

Applications Reported: This 93 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 93 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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.

Super Bright 600 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 600 nm. We recommend using a 610/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

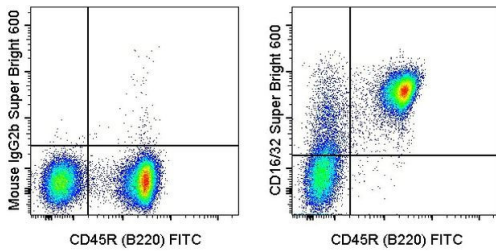
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4 degrees C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 600 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD16/CD32 Monoclonal Antibody (93), Super Bright™ 600, eBioscience™



CD16/CD32 Antibody (63-0161-82) in Flow

C57BL/6 mouse splenocytes were stained with CD45R (B220) Monoclonal Antibody, FITC (Product # 11-0454) and 0.06 μ g of Rat IgG2a kappa Isotype Control, Super Bright 600 (Product # 63-4321) (left) or 0.06 μ g of CD16/32 Monoclonal Antibody, Super Bright 600 (right). Cells in the lymphocyte gate were used for analysis.

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