

CD33 Monoclonal Antibody (WM-53 (WM53)), Brilliant Ultra Violet™ 496, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Brilliant Ultra Violet™ 496, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	WM-53 (WM53)
Conjugate	Brilliant Ultra Violet™ 496
Excitation/Emission Max	348/493 nm
Form	Liquid
Concentration	5 µL/Test
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_2925328

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

Product Specific Information

Description: The WM-53 monoclonal antibody reacts with human CD33, also known as GP67 and P67, a 67 kDa type I transmembrane glycoprotein that is a member of the Siglec (sialic acid-binding Ig superfamily lectin) family. It is highly specific to the hematopoietic compartment and is expressed on monocytes, activated T cells, granulocytes, myeloid progenitors, and mast cells.

Applications Reported: This WM-53 (WM53) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This WM-53 (WM53) antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may 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.

Brilliant Ultra Violet™ 496 (BUV496) is a tandem dye that emits at 496 nm and is intended for use on cytometers equipped with an ultraviolet (355 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright, Brilliant Violet™, Brilliant Ultra Violet™, or other polymer dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401-42) or Brilliant Stain Buffer™ (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

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

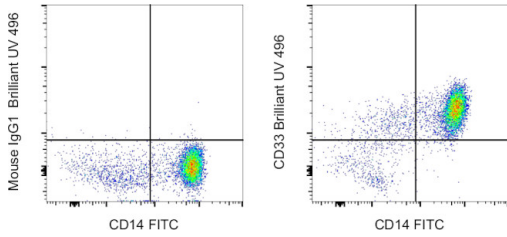
light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) for up to 3 days in the dark at 4°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: 350 nm; Emission: 496 nm; Laser: Ultraviolet Laser.

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Product Images For CD33 Monoclonal Antibody (WM-53 (WM53)), Brilliant Ultra Violet™ 496, eBioscience™



CD33 Antibody (364-0338-41) in Flow

Normal human peripheral blood cells were stained with CD14 Monoclonal Antibody, FITC (Product # 11-0149-42-42) and Mouse IgG1 kappa Isotype Control, Brilliant Ultra Violet 496 (Product # 364-4714-81) (left) or CD33 Monoclonal Antibody, Brilliant Ultra Violet 496 (right). Viable cells in the monocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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