

CD33 Monoclonal Antibody (WM-53 (WM53)), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse
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	WM-53 (WM53)
Conjugate	FITC
Excitation/Emission Max	498/517 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_11044233

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	15 Publications

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.

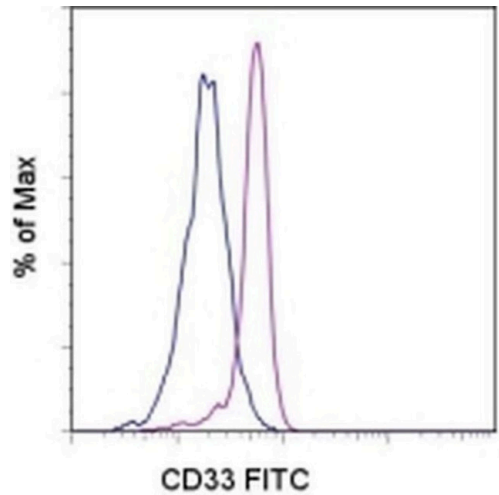
Applications Reported: The WM-53 (WM53) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This WM-53 (WM53) antibody has been pre-titrated and tested by flow cytometric analysis of normal human lysed whole blood. This can 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.

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

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD33 Monoclonal Antibody (WM-53 (WM53)), FITC, eBioscience™



CD33 Antibody (11-0338-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD33 FITC (purple histogram). Cells in the monocyte gate were used for analysis.

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15 References

Flow Cytometry (15)

Biomedical reports	Year 2024
Myeloidderived suppressor cell accumulation induces Treg expansion and modulates lung malignancy progression.	
"Published figure using CD33 monoclonal antibody (Product # 11-0338-42) in Flow Cytometry"	
Authors: Wan Y,Mu X,Zhao J,Li L,Xu W,Zhang M	
iScience	Year 2023
Myeloid-intrinsic cell cycle-related kinase drives immunosuppression to promote tumorigenesis.	
"Published figure using CD33 monoclonal antibody (Product # 11-0338-42) in Flow Cytometry"	
Authors: Zhou J,Wang H,Shu T,Wang J,Yang W,Li J,Ding L,Liu M,Sun H,Wong J,Lai PB,Tsang SW,Ward SE,Chow KL,Sung JJ,Sze-Lok Cheng A	

[View more Flow references on thermofisher.cn](#)

More applications with references on thermofisher.cn

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