CD33 Monoclonal Antibody (HIM3-4), PE-Cyanine5, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIM3-4
Conjugate	PE-Cyanine5
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1724051

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	4 Publications

Product Specific Information

Description: The HIM3-4 monoclonal antibody reacts with human CD33, a 67 kDa member of the sialoadhesion family. CD33 is expressed by myelomonocytic precursors, monocytes, mast cells, and granulocytes. Hematopoietic stem cells and lymphocytes do not express this antigen. CD33 plays a role in sialic-acid dependent cell adhesion.

Applications Reported: The HIM3-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIM3-4 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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 10^5 to 10^8 cells /test.

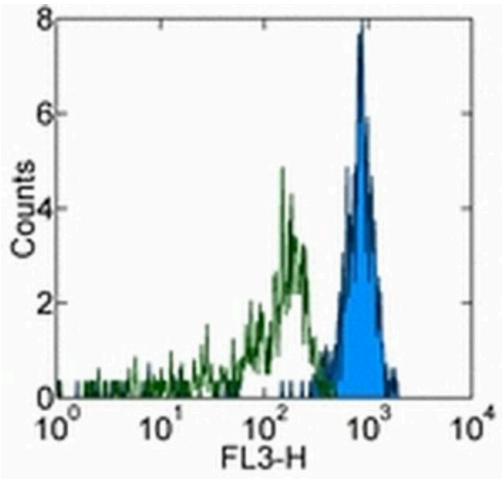
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) 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: 488-561 nm; Emission: 667 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD33 Monoclonal Antibody (HIM3-4), PE-Cyanine5, eBioscience™



CD33 Antibody (15-0339-41) in Flow
Staining of normal human peripheral blood cells with PE-Cyanine5 Mouse IgG1 K Isotype Control (Product # 15-4714-81) (open histogram) or Anti-Human CD33 PE-Cyanine5 (filled histogram).Cells in the monocyte gate were used for analysis.

View more figures on thermofisher.com

4 References

Flow Cytometry (4)

Oncology letters

Year
2018

Accumulation of T-helper 22 cells, interleukin-22 and myeloid-derived suppressor cells promotes gastric cancer progression in elderly patients.

"Published figure using CD33 monoclonal antibody (Product # 15-0339-42) in Flow Cytometry"

Authors: Chen X,Wang Y,Wang J,Wen J,Jia X,Wang X,Zhang H

Cell

Year
2018

Genetic Inactivation of CD33 in Hematopoietic Stem Cells to Enable CAR T Cell Immunotherapy for Acute Myeloid Leukemia.

"Published figure using CD33 monoclonal antibody (Product # 15-0339-42) in Flow Cytometry"

Authors: Kim MY,Yu KR,Kenderian SS,Ruella M,Chen S,Shin TH,Aljanahi AA,Schreeder D,Klichinsky M,Shestova O, Kozlowski MS,Cummins KD,Shan X,Shestov M,Bagg A,Morrissette JJD,Sekhri P,Lazzarotto CR,Calvo KR,Kuhns DB, Donahue RE,Behbehani GK,Tsai SQ,Dunbar CE,Gill S

View more Flow references on thermofisher.com

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