

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

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIM3-4
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10855031

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.5 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.

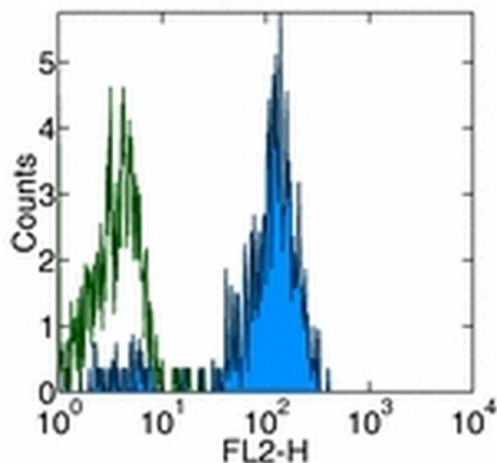
Applications Reported: The HIM3-4 antibody has been reported for use in flow cytometric analysis.

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 (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: 488-561 nm; **Emission:** 578 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, eBioscience™



CD33 Antibody (12-0339-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (open histogram) and Anti-Human CD33 PE (filled histogram). Cells in the monocyte population were used for analysis.

4 References

Flow Cytometry (4)

Oncology letters

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 # 12-0339-42) in Flow Cytometry"

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

Species

Not Applicable

Dilution

Not Cited

Year

2018

Blood cancer journal

Switching CAR T cells on and off: a novel modular platform for retargeting of T cells to AML blasts.

"12-0339 was used in Flow cytometry/Cell sorting to describe a novel modular universal platform for retargeting of T cells to AML blasts, via switching CD19-specific chimeric antigen receptor engineered T cells on or off."

Authors: Cartellieri M,Feldmann A,Koristka S,Arndt C,Loff S,Ehninger A,von Bonin M,Bejestani EP,Ehninger G, Bachmann MP

Species

Human

Dilution

Not Cited

Year

2016

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

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