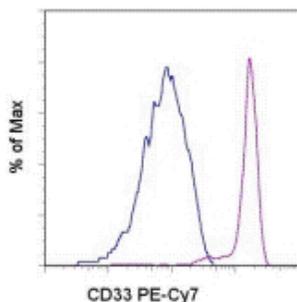


Anti-Human CD33 PE-Cyanine7

Catalog Number: 25-0338

Also Known As: Sialic Acid-Binding Immunoglobulin-Like Lectin 3, SIGLEC3

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE-Cyanine7 (cat. 25-4714) (blue histogram) or Anti-Human CD33 PE-Cyanine7 (purple histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD33 PE-Cyanine7

REF **Catalog Number:** 25-0338

Clone: WM-53 (WM53)

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: VI M505

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

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-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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 μ L cell sample + 100 μ L 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.

References

Favaloro EJ, Bradstock KF, Kabral A, Grimsley P, Berndt MC. 1987 Characterization of monoclonal antibodies to the human myeloid-differentiation antigen, 'gp67' (CD-33). Dis Markers. 5(4):215-25.

Related Products

11-0339 Anti-Human CD33 FITC (HIM3-4)

12-0339 Anti-Human CD33 PE (HIM3-4)

14-0339 Anti-Human CD33 Purified (HIM3-4)

15-0339 Anti-Human CD33 PE-Cyanine5 (HIM3-4)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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