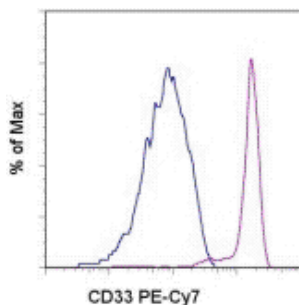


## Anti-Human CD33 PE-Cyanine7

**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 µL (0.25 µg)/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 µL (0.25 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<sup>5</sup> to 10<sup>8</sup> 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.

### 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)

### Legal

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