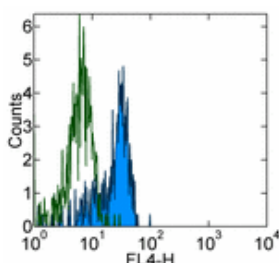


## Anti-Human CD33 Alexa Fluor® 700

Catalog Number: 56-0338

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

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Mouse IgG1  $\kappa$  Isotype Control Alexa Fluor® 700 (cat. 56-4714) (open histogram) or Anti-Human CD33 Alexa Fluor® 700 (filled histogram). Cells in the monocyte gate were used for analysis.

### Product Information

Contents: Anti-Human CD33 Alexa Fluor® 700

**REF** Catalog Number: 56-0338


Clone: WM-53 (WM53)

Concentration: 5  $\mu$ l (0.5  $\mu$ 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.

**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.

The Alexa Fluor® 700 emits at 723 nm and can be excited with the He-Ne 633 laser. Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

### Applications Tested

This WM-53 (WM53) antibody has been pre-titrated and tested by flow cytometric analysis of lysed whole blood. This can be used at 5  $\mu$ l (0.5  $\mu$ g)/per test. A test is defined as the amount ( $\mu$ g)/test of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### 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

56-4714 Mouse IgG1 K Isotype Control Alexa Fluor® 700

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