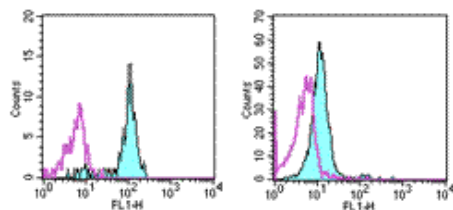


Anti-Human CD33 Purified

Catalog Number: 14-0338

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 0.5 ug of Mouse IgG1 Isotype Control Purified (cat.14-4714) (open histogram) or 0.5 ug of Anti-Human CD33 Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat.11-4011). Cells in the monocyte (left) and granulocyte (right) gates were used for analysis.

Product Information

Contents: Anti-Human CD33 Purified

REF **Catalog Number:** 14-0338

Clone: WM-53 (WM53)

Concentration: 0.5 mg/ml

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.



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

The WM-53 (WM53) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunocytochemistry staining.

Applications Tested

The WM-53 (WM53) antibody has been tested by flow cytometric analysis of lysed whole blood. This can be used at less than or equal to 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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)
 11-4011 Anti-Mouse IgG FITC
 11-4317 Streptavidin FITC
 12-0339 Anti-Human CD33 PE (HIM3-4)
 12-4317 Streptavidin PE
 13-4013 Anti-Mouse IgG Biotin (Polyclonal)
 14-0339 Anti-Human CD33 Purified (HIM3-4)
 14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)
 15-0339 Anti-Human CD33 PE-Cy5 (HIM3-4)
 17-4317 Streptavidin APC

