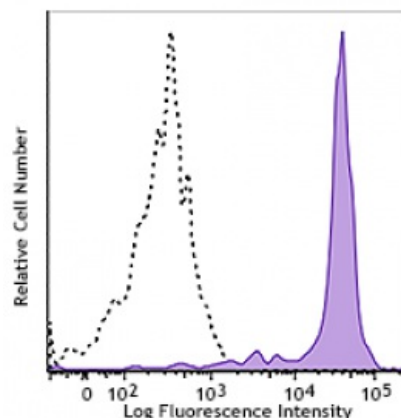


PE/Dazzle™ 594 anti-human CD33

Catalog # / Size:	2117160 / 100 tests 2117155 / 25 tests
Clone:	WM53
Isotype:	Mouse IgG1, κ
Immunogen:	Human myeloid leukaemia cells.
Reactivity:	Human, Non-human primate
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	IV M-505
Concentration:	Lot-specific



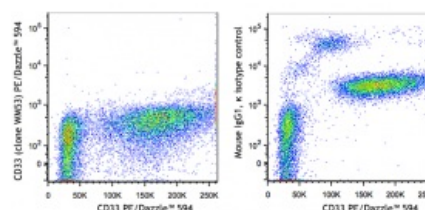
Human peripheral blood monocytes were stained with a mixture of True-Stain Monocyte Blocker™ and CD33 (clone WM53) PE/Dazzle™ 594 (filled histogram) or mouse IgG1, κ PE/Dazzle™ 594 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application,

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

Application Notes:	Additional reported applications (for the relevant formats) include: immunoprecipitation, Western blotting ³ , induction of cytokine production ³ , and immunofluorescence ⁴ .
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Human peripheral blood lymphocytes, monocytes, and granulocytes were stained with a mixture of True-Stain Monocyte Blocker™ and mouse IgG1, κ PE/Dazzle™ 594 isotype control (left panel) or CD33 (clone WM53) PE/Dazzle™ 594 (right p

Application References:	1. Favaloro E, <i>et al.</i> 1988. <i>Br. J. Haematol.</i> 69:163. 2. Freeman S, <i>et al.</i> 1995. <i>Blood</i> 85:2005.
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Description:	CD33 is a 67 kD type I transmembrane glycoprotein also known as Siglec-3, gp67, and p67. It is a sialoadhesion immunoglobulin superfamily member expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. CD33 is absent on normal platelets, lymphocytes, erythrocytes and hematopoietic stem cells. CD33 functions as a sialic acid-dependent cell adhesion molecule with
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carbohydrate/lectin binding activity.

- Antigen** 1. Favaloro E, *et al.* 1988. *Br. J. Haematol.* 69:163.
- References:** 2. Freeman S, *et al.* 1995. *Blood* 85:2005.