SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human CD33

Catalog # / Size: 2117155 / 25 tests
2117160 / 100 tests

Clone: WM53

Isotype: Mouse IgG1, κ

Immunogen: Human myeloid leukaemia cells.

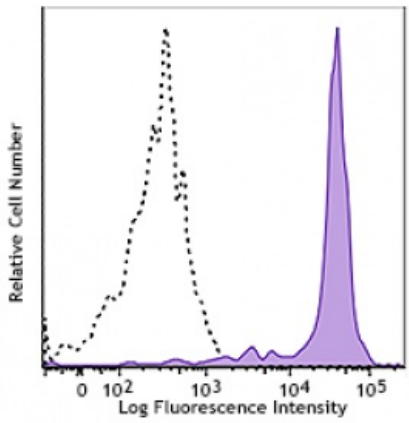
Reactivity: Human,Non-human primate

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).

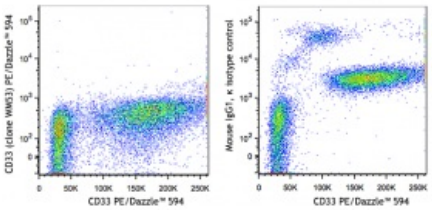
Applications:

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, Westrn blotting[3], induction of cytokine production[3], and immunofluorescence[4].



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, *et al.* 1988. *Br. J. Haematol.* 69:163.
2. Freeman S, *et al.* 1995. *Blood* 85:2005.

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

carbohydrate/lectin binding activity.

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