SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD33

Catalog # / Size: 2433130 / 100 tests
2433125 / 25 tests

Clone: P67.6

Isotype: Mouse IgG1, κ

Immunogen: FMY9S5 cells expressing CD33 gene.

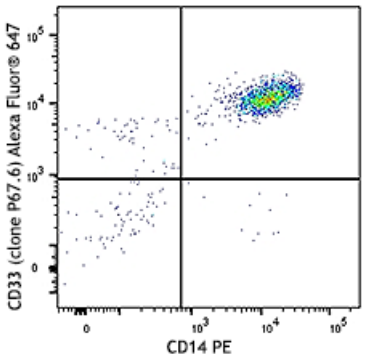
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: HCDM listed

Concentration: Lot-specific



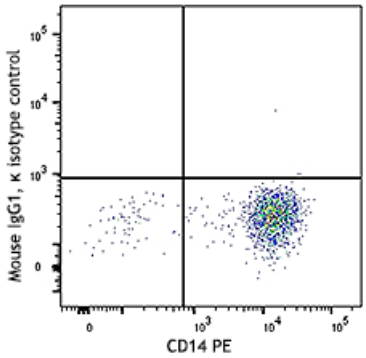
Human peripheral blood monocytes were stained with CD14 PE and CD33 (clone P67.6) Alexa Fluor® 647 (Top) or mouse IgG1, κ Alexa Fluor® 647 (Bottom).

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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.



Application References:

1. Hoyer J, *et al.* 2008. *Am. J. Clin. Pathol.* 129:316.

Description: CD33, also known as Siglec-3, gp67, and p67, is a 67 kD type I transmembrane glycoprotein. It is a sialoadhesion immunoglobulin superfamily member, which is 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.

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