

PerCP/Cy5.5 anti-human CD33

Catalog # / Size: 303413 / 25 tests
303414 / 100 tests

Clone: WM53

Isotype: Mouse IgG1, κ

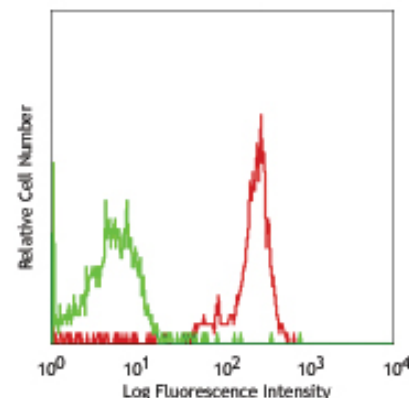
Workshop Number: IV M-505

Reactivity: Human, **Cross-Reactivity:** Chimpanzee

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood monocytes were stained with CD33 (clone WM53) PerCP/Cy5.5 (red histogram), or mouse IgG1, κ PerCP/Cy5.5 (green histogram).

Applications:

Applications: FC - Quality tested

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

* PerCP/Cy5.5 has a maximum absorption of 482 nm and 564 nm and a maximum emission of 690 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation, Western blotting³, and induction of cytokine production³. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 303410).

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Application References:

- Knapp W, *et al.* 1989. Leucocyte Typing IV. Oxford University Press. New York.
- Favaloro E, *et al.* 1988. *Br. J. Haematol.* 69:163.
- Garnache-Ottou F, *et al.* 2005. *Blood* 105:1256. (WB)

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:

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

Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
PerCP/Cy5.5 Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC

Clone

MOPC-21

Application

FC, ICC, ICFC
FC, ICFC
FC, ICFC
FC, ICC, ICFC



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