

**APC/Fire™ 750 anti-human CD33**

**Catalog # / Size:** 2433160 / 100 tests  
2433155 / 25 tests

**Clone:** P67.6

**Isotype:** Mouse IgG1, κ

**Immunogen:** FMY9S5 cells expressing CD33 gene.

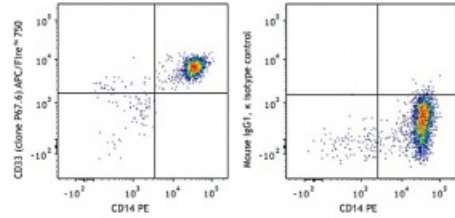
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

**Workshop Number:** II T7

**Concentration:** Lot-specific



Human peripheral blood monocytes were stained with True-Stain Monocyte Blocker™ (Cat. No.426103), CD14 PE and CD33 (clone P67.6) APC/Fire™ 750 (left) or mouse IgG1, κ APC/Fire™ 750 (right).

**Applications:**

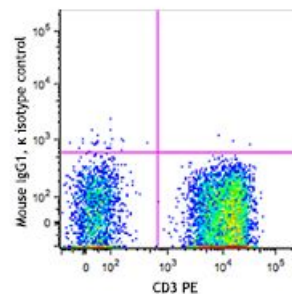
**Applications:** Flow Cytometry

**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 in 100 µl staining volume or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

**Application Notes:** Additional reported applications (for the relevant formats of this clone) include: activation of LFA-1 and MAC-1<sup>1,2</sup>.

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