

## FITC anti-human CD33

**Catalog # / Size:** 303303 / 25 tests  
303304 / 100 tests

**Clone:** HIM3-4

**Isotype:** Mouse IgG1,  $\kappa$

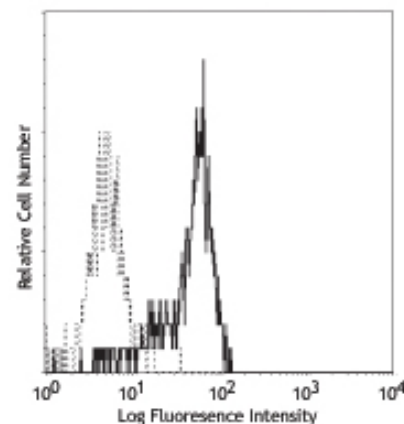
**Workshop Number:** V MA112

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

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

**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 stained with HIM3-4 FITC

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at [www.biolegend.com/testsize](http://www.biolegend.com/testsize) regarding the test size change.

**Application References:** 1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.  
2. Tamassia N, *et al.* 2008. *Int Immunol.* 20:535. PubMed

**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.

### Related Products:

Product	Clone	Application
FITC anti-human CD15 (SSEA-1)	H198	FC
FITC anti-human CD14	M5E2	FC
PE anti-human CD13	WM15	FC
PE anti-human CD33	WM53	FC
FITC Mouse IgG1, $\kappa$ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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