

## CD33 (WM53)

Type	Size	Catalog number
Unconjugated	100µg	104001
	500µg	104003
FITC	25 tests	104014
	100 tests	104015
	200 tests	104016
PE	25 tests	104024
	100 tests	104025
	200 tests	104026
APC	25 tests	104044
	100 tests	104045
	200 tests	104046
PE-Cyanine 7	25 tests	104084
	100 tests	104085
	200 tests	104086
Biotin	100µg	104051

<b>Antigen:</b>	CD33
<b>Immunogen:</b>	Human AML cells
<b>Host/Isotype:</b>	Mouse, IgG1, $\kappa$
<b>Reactivity:</b>	Human
<b>Purity:</b>	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
<b>Formulation:</b>	PBS, pH7.2, 0.09%NaN <sub>3</sub> (unconjugated, Biotin) PBS, pH7.2, 0.09% NaN <sub>3</sub> and 0.2% (w/v) BSA (conjugated)
<b>Storage:</b>	Store at 2-8°C and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Applications:</b>	Flow Cytometry

### Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

### Antigen Information

The clone WM53 selectively binds with a 67kDa glycoprotein, known as CD33 having sialic acid-binding immunoglobulin-like lectin. It belongs to the ITIM (immuno-receptor tyrosine-based inhibitory motif) containing molecules able of recruiting protein tyrosine phosphatases. CD33 is expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. It is absent on platelets, lymphocytes, erythrocytes and hematopoietic stem cells.

**References**

1. Favaloro EJ, et al, 1987. Dis Markers, 5:215-25.
2. Favaloro EJ, et al 1988. Br J Haematol. 69:163-71.

**Terms and Conditions**

This product is for research use only (RUO) and not intended for diagnostic testing.