# TECHNICAL DATA SHEET

# CyFlow™ CD33 APC

REF **AW821754**

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**Analyte Specific Reagent.**

**Analytical and performance characteristics are not established.**

## Specifications

| | |
|---|---|
| **Antigen** | CD33 |
| **Antigen Alternative Names** | p67 \| SIGLECT-3 |
| **Clone** | WM53 |
| **Clonality** | monoclonal |
| **Format** | APC |
| **Host / Isotype** | Mouse / IgG1 |
| **Species Reactivity** | Human |
| **Quantity [Concentration]** | 1.0 mL [15 µg/mL] |
| **Immunogen** | Human Acute Myelogenous Leukemia (AML) cells |

The Safety Data Sheet for this product is available at https://us.sysmex-flowcytometry.com/.

## Description

The mouse monoclonal antibody WM53 recognizes human CD33 antigen.

HLDA IV—WS Code M-505

## Application

The reagent may have application in various test methodologies, including Flow Cytometry. Vial has sufficient volume for 100 tests*, if used at 10 µL / test.

**ASR reagent – user has responsibility for determining reagent quantity per test for their own test application.*

## Purity

≤ 20% free (unconjugated) fluorochrome and/or monoclonal antibody, as measured by size-exclusion high performance liquid chromatography (SEC-HPLC).

## Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.09% (w/v) sodium azide and 0.2% (w/v) BSA.

## Storage and Stability

| | |
|---|---|
| **Storage** | Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze. |
| **Stability** | Do not use after expiration date stamped on vial label. |

## Antigen Distribution

CD33 (p67, SIGLECT-3) is a 67 kDa type I transmembrane glycoprotein (immunoglobulin superfamily) expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells; it is lost on platelets, lymphocytes, erythrocytes and hematopoietic stem cells.

## Warnings

All biological specimens and materials coming in contact with them are considered biohazards. Handle as if capable of transmitting infection and dispose of with proper precautions in accordance with federal, state and local regulations. Never pipette by mouth. Wear suitable protective clothing, eyewear and gloves.

**Non-Hazardous Statement:** This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.

**Safety Data Sheet Statement:** Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet.

## Symbols

| | | | |
|---|---|---|---|
|  | Reference number |  | Manufacturer |
|  | Batch code |  | Date of manufacture |
|  | Use-by date |  | Temperature limit |
|  | Keep away from sunlight |  | Unique device identifier |
|  | Clone of hybridoma cells used to produce monoclonal antibody | | |

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