

Technical Data Sheet

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| Product | Anti-Hu CD33 APC-CyTM7 | |
| Cat. Number/Size | T4-662-T025 | 25 tests |
| | T4-662-T100 | 100 tests |
| | For Research Use Only. | |
| | Not for use in diagnostic or therapeutic procedures. | |

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| Antigen | CD33 |
| Clone | WM53 |
| Format | APC-Cy TM 7 |
| Reactivity | Non-human primates, Human |
| Application | FC (QC tested) |
| Application details | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. |
| Excitation laser | red (633 nm) |
| Isotype | Mouse IgG1 |
| Specificity | The mouse monoclonal antibody WM53 reacts with an extracellular epitope of CD33, a 67 kDa type I transmembrane glycoprotein (immunoglobulin superfamily) expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells; it is absent on platelets, lymphocytes, erythrocytes and hematopoietic stem cells. |
| Other names | SIGLEC3, p67, SIGLEC-3 |
| Workshop | HLDA IV: WS Code M-505 |
| Immunogen | Human AML cells |
| Entrez Gene ID | 945 |
| Gene name | CD33 |
| NCBI Full Gene Name | CD33 molecule |
| UniProt ID | P20138 |

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| Preparation | The purified antibody is conjugated with tandem dye APC-Cy TM 7 under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Formulation | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide |
| Storage and handling | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. |

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| Images and References | www.exbio.cz |
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