## 30-2790: Anti-Hu CD33 FITC

| Clonality: | Monoclonal |
| :--- | :--- |
| Clone Name : | WM53 |
| Application : | FACS |
| Reactivity : | Non-human primates, Human |
| Conjugate : | FITC |
| Gene : | CD33 |
| Gene ID : | 945 |
| Uniprot ID : | P20138 |
| Alternative Name : | CD33 molecule SIGLEC3, p67 |
| Immunogen Information $:$ | Human AML cells |

## Description

CD33 is a transmembrane protein of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. It belongs to the immunoreceptor tyrosine-based inhibitory motif (ITIM)-containing molecules able of recruiting protein tyrosine phosphatases SHP-1 and SHP-2 to signal assemblies; these ITIMs are also used for ubiquitin-mediated removal of the receptor from the cell surface. CD33 is expressed on cells of myelomonocytic lineage, binds sialic acid residues in N - and O -glycans on cell surfaces, and is a therapeutic target for acute myeloid leukemia.
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.

## Product Info

## Amount :

## Purification :

Content :
Storage condition :

## 100 Tests

Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide Store at $2-8^{\circ} \mathrm{C}$. Protect from prolonged exposure to light. Do not freeze.

## Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 Ã $\square \hat{\mu l} \mu$ reagent / 100 Ã $\square \hat{A} \mu l$ of whole blood or $10^{6}$ cells in a suspension. The content of a vial ( 0.4 ml ) is sufficient for 100 tests.

