

### 30-2789: Anti-Hu CD33 Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	WM53
<b>Application :</b>	FACS, IP, WB, IHC-Fr, ICC, MC
<b>Reactivity :</b>	Non-human primates, Human
<b>Gene :</b>	CD33
<b>Gene ID :</b>	945
<b>Uniprot ID :</b>	P20138
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD33 molecule SIGLEC3, p67
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Immunohistochemistry (frozen sections): Acetone fixation.

Flow cytometry: Recommended dilution: 1-4  $\mu$ g/ml