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30-2789: Anti-Hu CD33 Purified

Clonality :	Monoclonal
Clone Name :	WM53
Application :	FACS, IP, WB, IHC-Fr, ICC, MC
Reactivity :	Non-human primates, Human
Gene :	CD33
Gene ID :	945
Uniprot ID :	P20138
Format :	Purified
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 :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunohistochemistry (frozen sections): Acetone fixation.
Flow cytometry: Recommended dilution: 1-4 Ã□Âµg/ml

For Research Use Only. Not for use in diagnostic/therapeutics procedures.