

## Product datasheet for **SM3084P**

### CD33 Mouse Monoclonal Antibody [Clone ID: HIM3-4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HIM3-4
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NFMY-9s human cell line
Specificity:	The antibody <i>HIM3-4</i> reacts with 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.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	CD33 molecule
Database Link:	<a href="#">Entrez Gene 945 Human P20138</a>



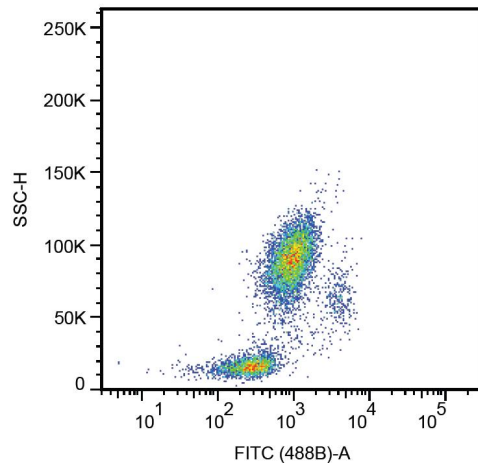
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**Background:**

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.

**Synonyms:**

Siglec-3, gp67

**Product images:**

Surface staining of human peripheral blood leukocytes with anti-human CD33 (HIM3-4) FITC.