

## 12-9251-B: Biotinylated Anti-CD33 antibody(DM77), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM77
<b>Application :</b>	ELISA, FACS
<b>Reactivity :</b>	Human
<b>Format :</b>	Liquid
<b>Alternative Name :</b>	CD33,SIGLEC3,gp67,SIGLEC-3

### Description

Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state. Preferentially recognizes and binds alpha-2,3- and more avidly alpha-2,6-linked sialic acid-bearing glycans. Upon engagement of ligands such as C1q or sialylated glycoproteins, two immunoreceptor tyrosine-based inhibitory motifs (ITIMs) located in CD33 cytoplasmic tail are phosphorylated by Src-like kinases such as LCK. These phosphorylations provide docking sites for the recruitment and activation of protein-tyrosine phosphatases PTPN6/SHP-1 and PTPN11/SHP-2. In turn, these phosphatases regulate downstream pathways through dephosphorylation of signaling molecules. One of the repressive effect of CD33 on monocyte activation requires phosphoinositide 3-kinase/PI3K.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Not Sterile
<b>Storage condition :</b>	Store at 2 °C-8 °C for 6 months

### Application Note

ELISA 1/5000-10000;FACS 1/100