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

Clonality: Monoclonal
Clone Name: DM77
Application: ELISA, FACS
Reactivity: Human
Format: Liquid

Alternative Name : 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 syalylated 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

Amount: $100 \mu g$

Purification: Purified from cell culture supernatant by affinity chromatography

Content: Not Sterile

Storage condition: Store at 2 °C-8 °C for 6 months

Application Note

ELISA 1/5000-10000; FACSÃ \(\hat{A} \) 1/100