

Anti-CD33 Biotinylated Recombinant Rabbit Monoclonal Antibody

Product Information

Product SKU:

HDLA039

Size:

100 µg

Isotype:

Rabbit IgG

Host:

Rabbit

Clonality:

Monoclonal

Clone:

DM77

Category:

Recombinant Antibody

Reactivity:

Human

Synonyms:

CD33,SIGLEC3,gp67

Formulation:

Powder

Purification Method:

Purified from cell culture supernatant by affinity chromatography

Buffer:

1XPBS

Storage and Stability:

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized antibodies are shipped at ambient temperature.

Applications

ELISA, Flow Cyt

Recommended Dilutions:

ELISA 1:5000-10000; Flow Cyt 1:100

Background:

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.

Research Use Only:

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