

ABflo® 594 Rabbit anti-Human CD33 mAb

Catalog NO.: A24584

Basic Information

Observed MW

Calculated MW

25kDa/33kDa/39kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human

Conjugation

ABflo® 594. Ex:588nm. Em:604nm.

Clone number

ARC57861

Background

CD33, a type I transmembrane protein, is a sialic acid-binding Ig-like lectin (Siglec-3) of the Ig superfamily, and human CD33 binds preferentially to alpha-2, 6-linked sialic acid. Upon binding to its ligands CD33 transduces an inhibitory signaling through the immunoreceptor tyrosine-based inhibitory motif (ITIM) in its intracellular domain, inhibiting cellular function such as phagocytosis. In addition, CD33 is also involved in other processes, such as adhesion. Due to its exclusive expression on hematopoietic cells, particularly the myeloid lineage and their progenitors, CD33 has been actively pursued as a therapeutic target against acute myeloid leukemia (AML) . CD33 may also be involved in Alzheimer’ s Disease .

Recommended Dilutions

FC 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

945

Swiss Prot

P20138

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

CD33; SIGLEC-3; SIGLEC3; p67; CD33 molecule

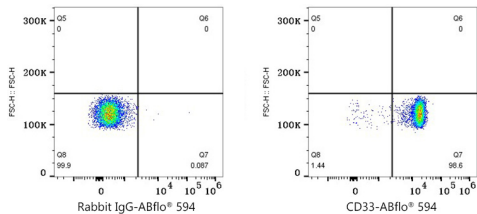
Contact

Product Information

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☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Flow cytometry: 1X106 Human PBMC were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Human CD33 mAb(A24584,5 µl/Test,right). Cells in the monocyte gate were used for analysis.

