

ABflo® 647 Rabbit anti-Human CD33 mAb

Catalog No.: A22640

Basic Information

Observed MW

Calculated MW

40kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC57861

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

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

p67; SIGLEC3; SIGLEC-3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

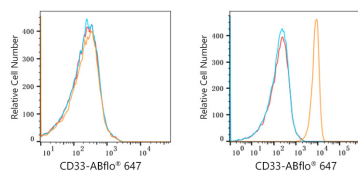
Affinity purification

Storage

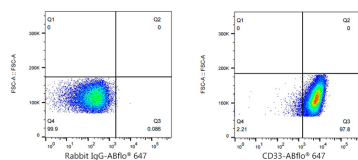
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

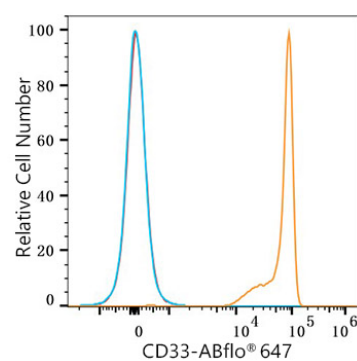
Validation Data



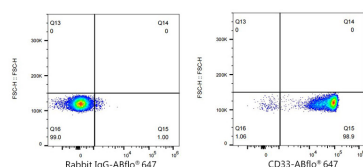
Flow cytometry: 1×10^6 MCF7 cells (negative control, Left) and THP-1 cells (Right) were surface-stained with ABflo® 647 Rabbit anti-Human CD33 mAb (A22640, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 THP-1 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human CD33 mAb (A22640, 5 μ l/Test, right).



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 647 Rabbit anti-Human CD33 mAb (A22640, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human CD33 mAb (A22640, 5 μ l/Test, right).