Leader in Biomolecular Solutions for Life Science

ABflo® 488 Rabbit anti-Human CD33 mAb

Catalog No.: A22639

Recombinant

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Basic Information

Observed MW

Calculated MW
40kDa

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Human, Cynomolgus

Clone No.
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 10^6 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

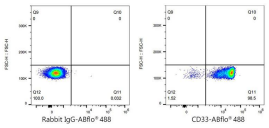
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
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:1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human CD33 mAb(A22639,5 µl/Test,right). Cells in the monocyte gate were used for analysis.