ABclonal Technology®
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ABflo® 488 Rabbit anti-Human CD35 mAb

Catalog No.: A24697

Basic Information

Observed MW

Calculated MW
223kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC63486-ABflo488

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

Background

Complement receptor type 1 (CR1/CD35) is a type I transmembrane glycoprotein that is expressed on the surface of B cells, neutrophils, monocytes, and renal podocytes. As a component of the host's innate immune system, CR1/CD35 expressed on neutrophils and monocytes binds to ligands coated with complement opsonins C3b and C4b, thereby promoting phagocytosis and pro-inflammatory cytokine production. CR1/CD35 also participates in negative regulation of the complement cascade through its ability to promote dissociation of C3 and C5 convertases and by serving as one of multiple cofactors for factor-I-mediated cleavage and inactivation of C3b and C4b.

Recommended Dilutions

FC   5 µl per 10^6 cells in
                  100 µl volume

Immunogen Information

Gene ID   **Swiss Prot**
1378   P17927

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 901-1095 of human CD35 (NP_000564.2).

Synonyms
CR1; C3BR; C4BR; CD35; KN; complement receptor type 1

Contact

Product Information

Source   **Isotype**   **Purification**
Rabbit   IgG   Affinity purification
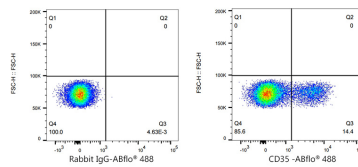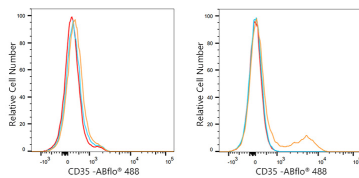
Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data

Flow cytometry: 1X10^6 REH cells (negative control,left) and Human PBMC (right) were surface-stained with ABflo® 488 Rabbit anti-Human CD35 mAb (A24697,5 μl/Test,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 μl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

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 CD35 mAb (A24697,5 μl/Test,right).