

# ABflo® 488 Rabbit anti-Human CD59 mAb

Catalog No.: A22588

## Basic Information

### Observed MW

**Calculated MW**  
14kDa

**Category**  
Primary antibody

**Applications**  
FC

**Cross-Reactivity**  
Human

**CloneNo number**  
ARC56720

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

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.

## Immunogen Information

<b>Gene ID</b> 966	<b>Swiss Prot</b> P13987
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### Immunogen

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

### Synonyms

1F5; EJ16; EJ30; EL32; G344; MIN1; MIN2; MIN3; M1RL; HRF20; MACIF; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20

## Contact

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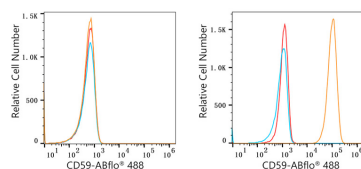
## Product Information

<b>Source</b> Rabbit	<b>Isotype</b> IgG	<b>Purification</b> Affinity purification
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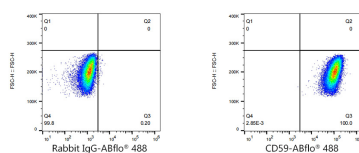
### Storage

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.

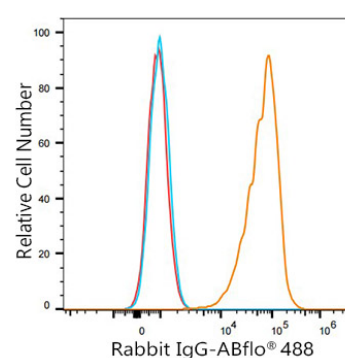
## Validation Data



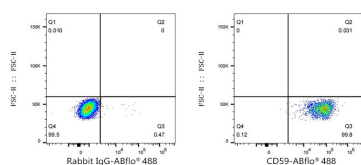
Flow cytometry:  $1 \times 10^6$  U937 cells (Low Expression, Left) and HEL cells (Right) were surface-stained with ABflo® 488 Rabbit anti-Human CD59 mAb (A22588, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Jurkat cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Human CD59 mAb (A22588, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human CD59 mAb (A22588, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Human CD59 mAb (A22588, 5  $\mu$ l/Test, right).