

# ABflo® 647 Rabbit anti-Human/Monkey CD8a mAb

Catalog No.: A23346

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

21kDa/25kDa/30kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human, Monkey

### CloneNo number

ARC55248-ABf647

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

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

## Background

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein.

## Immunogen Information

**Gene ID**  
925

**Swiss Prot**  
P01732

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-182 of human CD8A (NP\_001759.3).

### Synonyms

CD8; p32; Leu2; CD8alpha

## Contact

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## Product Information

**Source**  
Rabbit

**Isotype**  
IgG

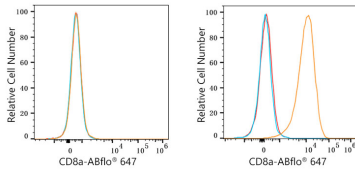
**Purification**  
Affinity purification

### Storage

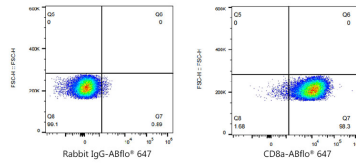
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

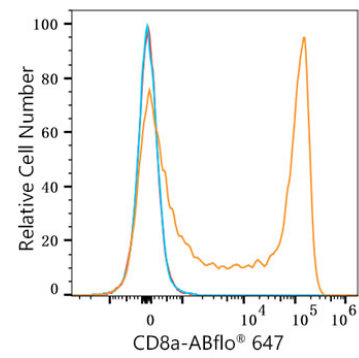
## Validation Data



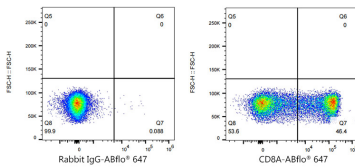
Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and MOLT-4 cells (right) were surface-stained with ABflo® 647 Rabbit anti-Human/Monkey CD8A mAb (A23346, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



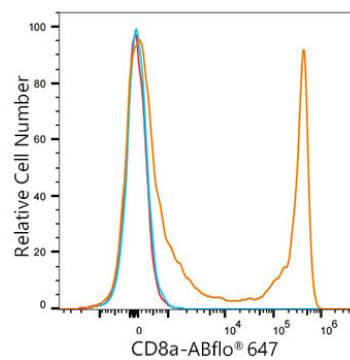
Flow cytometry:  $1 \times 10^6$  MOLT-4 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human/Monkey CD8A mAb (A23346, 5  $\mu$ l/Test, right).



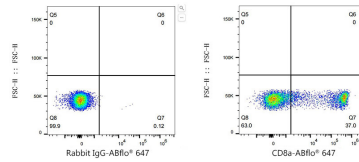
Flow cytometry:  $1 \times 10^6$  Monkey PBMC were surface-stained with ABflo® 647 Rabbit anti-Human/Monkey CD8a mAb (A23346, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Monkey PBMC were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human/Monkey CD8a mAb (A23346, 5  $\mu$ l/Test, right).



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 647 Rabbit anti-Human CD8A mAb (A23346, 5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 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® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human CD8A mAb (A23346, 5  $\mu$ l/Test, right).