

# CD8A Rabbit mAb

Catalog No.: A25147 **Recombinant**

## Basic Information

### Observed MW

### Calculated MW

21kDa/25kDa/30kDa

### Category

Primary antibody

### Applications

ELISA,FC

### Cross-Reactivity

Human, Monkey

### CloneNo number

ARC55248

## 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.

## Recommended Dilutions

FC 1:500 - 1:1000

## 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

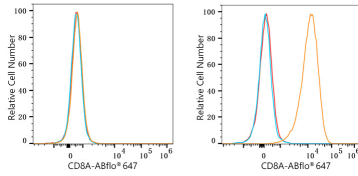
Affinity purification

### Storage

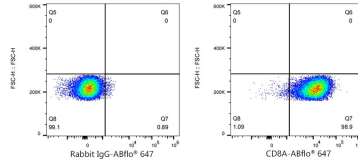
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

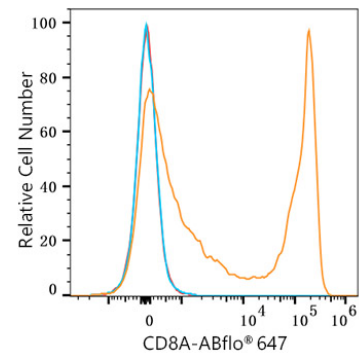
## Validation Data



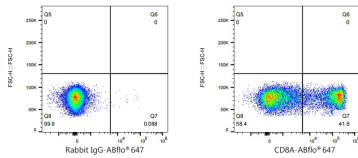
Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and MOLT-4 cells (right) were surface-stained with CD8A Rabbit mAb (A25147, 2  $\mu\text{g}/\text{mL}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. 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  $\mu\text{l}/\text{Test}$ , left) or CD8A Rabbit mAb (A25147, 2  $\mu\text{g}/\text{mL}$ , right).



Flow cytometry:  $1 \times 10^6$  Monkey PBMC were surface-stained with CD8A Rabbit mAb (A25147, 2  $\mu\text{g}/\text{mL}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. 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  $\mu\text{l}/\text{Test}$ , left) or CD8A Rabbit mAb (A25147, 2  $\mu\text{g}/\text{mL}$ , right).