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# CD8β Rabbit mAb

**Catalog No.: A24827** Recombinant

## Basic Information

**Observed MW**
20kDa/23-45 kDa

**Calculated MW**
24kDa

**Category**
Primary antibody

**Applications**
WB,FC,ELISA

**Cross-Reactivity**
Human

**CloneNo number**
ARC64469

## 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, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or 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 beta chain isoforms. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:10000 - 1:90000 |
| **FC** | 1:100 - 1:500 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
926

**Swiss Prot**
P10966

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

**Synonyms**
LY3; P37; LEU2; LYT3; Ly-3; CD8B1; CD8beta; CD8β

## Contact


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## Product Information

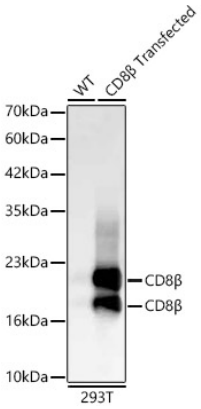
**Source**
Rabbit

**Isotype**
IgG

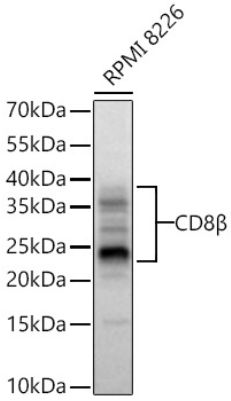
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

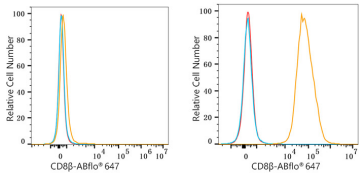
## Validation Data



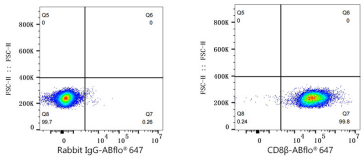

Western blot analysis of lysates from wild type (WT) and 293T cells transfected with CD8β, using CD8β Rabbit mAb (A24827) at 1:80000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



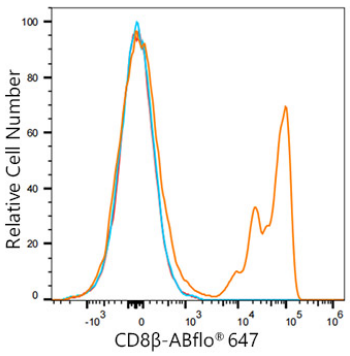

Western blot analysis of lysates from RPMI 8226 cells using CD8β Rabbit mAb (A24827) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.




Flow cytometry: 1X10^6 293F cells (negative control,left) and 293F (Transfection,right) cells were surface-stained with CD8β Rabbit mAb (A24827,2 µg/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/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).

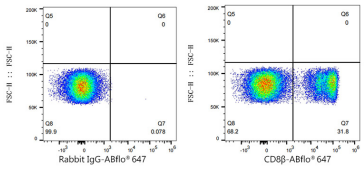



Flow cytometry: 1X10^6 293F (Transfection) cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or CD8β Rabbit mAb (A24827,2 µg/mL,right).




Flow cytometry: 1X10^6 Human PBMC were surface-stained with CD8β Rabbit mAb (A24827,2 µg/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line). Non-fluorescently stained Human PBMC were used as blank control (red line).

## Validation Data




Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or CD8β Rabbit mAb (A24827,2 µg/mL,right).