

# ABflo® 647 Rabbit anti-Rat CD4 mAb

Catalog No.: A28146

## Basic Information

### Observed MW

### Calculated MW

51 kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Rat

### CloneNo number

ARC76657

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Background

CD4, also known as T4, is a 55kD glycoprotein member of the immunoglobulin superfamily. It is expressed on the majority of thymocytes, macrophages, and a subset of peripheral T cells (T helper cells). CD4 functions as a T-cell coreceptor, interacting with MHC class II molecules and playing a crucial role in T-cell activation.

## Recommended Dilutions

**FC** ≤0.25 µg per million cells  
in 100 µl volume

## Immunogen Information

### Gene ID

24933

### Swiss Prot

P05540

### Immunogen

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

### Synonyms

Ly49; Klr1; Ly49s2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

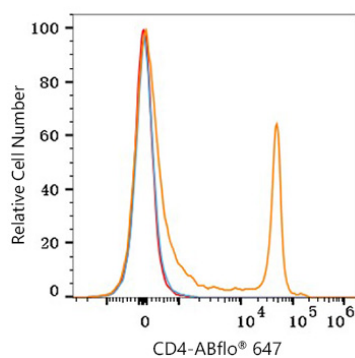
Affinity purification

### Storage

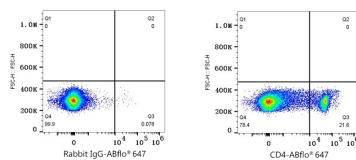
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  Rat splenocytes were surface-stained with ABflo® 647 Rabbit anti-Rat CD4 mAb (A28146, 0.25  $\mu$ g, 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:  $1 \times 10^6$  Rat splenocytes were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Rat CD4 mAb (A28146, 0.25  $\mu$ g, right).