

# PE Rabbit anti-Mouse CD94 mAb

Catalog No.: A26470

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

21kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC67768-PE

### Conjugate

PE. Ex:565nm. Em:574nm.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Background

CD94 is a 43/39 kD C-type lectin, also known as Kp43. It is present on all NK cells, NKT cells, and a subset of CD8-positive T lymphocytes in most mouse strains. CD94 is a type-II transmembrane protein with an extracellular lectin-like domain and a short cytoplasmic tail. CD94 is expressed as a disulphide-linked heterodimer with a NKG2 subunit believed to mediate signal transduction. When associated with NKG2A, the complex triggers inhibition; when associated with NKG2C, the complex triggers stimulation. The receptor complex of CD94 and NKG2 receptors bind to the ligand, Qa-1, and are thought to play a role in maintaining self-tolerance in developing NK cells.

## Immunogen Information

### Gene ID

16643

### Swiss Prot

O54707

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 59-179 of mouse CD94 (NP\_034784.1).

### Synonyms

CD94

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

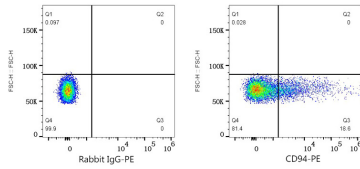
Affinity purification

### Storage

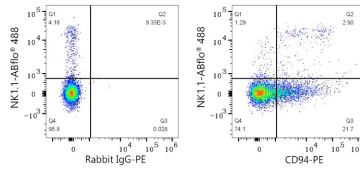
Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172,5  $\mu\text{l}/\text{Test}$ ,left) or PE Rabbit anti-Mouse CD94 mAb (A26470,5  $\mu\text{l}/\text{Test}$ ,right).



Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rabbit anti-Mouse CD161c/NK1.1 mAb (A24922,5  $\mu\text{l}/\text{Test}$ ) and PE Rabbit anti-Mouse CD94 mAb (A26470,5  $\mu\text{l}/\text{Test}$ ,right) or PE Rabbit IgG isotype control (A24172,5  $\mu\text{l}/\text{Test}$ ,left).