

# ABflo® 594 Rabbit anti-Human CD335/NKp46 mAb

Catalog No.: A24626

## Basic Information

### Observed MW

### Calculated MW

21kDa/22kDa/23kDa/32kDa/34kDa

### Category

Primary antibody

### Applications

IF/ICC,FC

### Cross-Reactivity

Human

### CloneNo number

ARC62449-ABflo594

### Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

IF/ICC 1:50 - 1:200

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

## Background

The natural cytotoxic receptor (NCR) family includes NCR1 (NKp46/CD335), NCR2 (NKp44/CD336), and NCR3 (NKp30/CD337). They are type I single Transmembrane protein belonging to the immunoglobulin (Ig) superfamily. Various pathogenic and host coding molecules have been identified as ligands for NCR. They were initially discovered through their ability to induce cytotoxicity of natural killer (NK) cells to tumor cells in vitro, and animal models have shown that NCR plays a role in tumor monitoring, viral infection, and pregnancy in vivo. NCR1/NKP46 is considered a universal marker of NK cells, and recent studies have found that it is also expressed by other cells, such as the first group of natural lymphocytes (ILC1), a subgroup of the third group of ILC (NCR+ILC3), and γδ T cells. NCR1/NKp46 is also expressed in some malignant NK cells, natural killer T (NKT) cells and T-cell lymphoma, and is considered as a diagnostic marker and therapeutic target for them. The cross-linking of NCR1/NKp46 with antibodies can activate NK cells, which has been studied as a promising therapeutic pathway.

## Immunogen Information

### Gene ID

9437

### Swiss Prot

O76036

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-254 of human CD335/NKp46(NP\_004820.2).

### Synonyms

NCR1; CD335; LY94; NK-p46; NKP46; natural cytotoxicity triggering receptor 1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

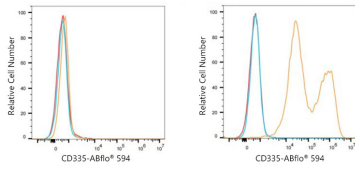
Affinity purification

### Storage

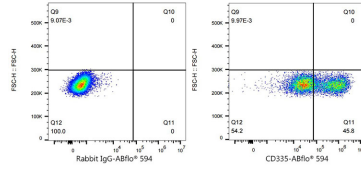
Store at 2-8°C. Avoid freeze.

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

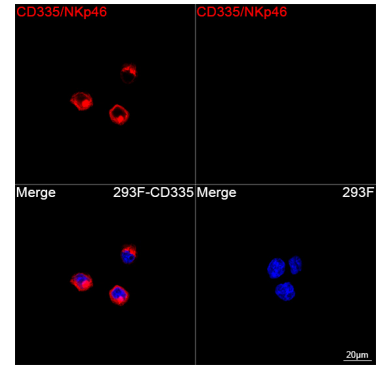
## Validation Data



Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and 293F (Transfection, right) cells were surface-stained with ABflo® 594 Rabbit anti-Human CD335/NKp46 mAb (A24626, 5  $\mu$ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  293F (Transfection) cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, left) or ABflo® 594 Rabbit anti-Human CD335/NKp46 mAb (A24626, 5  $\mu$ l/Test, right).



Confocal imaging of 293F cells transfected with CD335/NKp46 cells using ABflo® 594 Rabbit anti-Human CD335/NKp46 mAb (A24626, dilution 1:25). DAPI was used for nuclear staining (Blue). Objective: 100x.