

ABflo® 488 Rabbit anti-Human CD335/NKp46 mAb

Catalog No.: A24624

Basic Information

Observed MW

Calculated MW

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

Category

Primary antibody

Applications

IF/ICC,FC

Cross-Reactivity

Human

CloneNo number

ARC62449

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

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 $\gamma\delta$ 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.

Recommended Dilutions

IF/ICC 1:50 - 1:200

FC 5 μ l per 10^6 cells in
100 μ l volume

Immunogen Information

Gene ID

9437

Swiss Prot

O76036

Immunogen

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

Synonyms

NCR1; CD335; LY94; NK-p46; NKp46; natural cytotoxicity triggering receptor 1

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

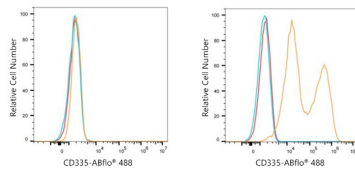
Affinity purification

Storage

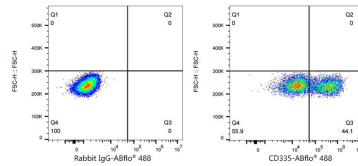
Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

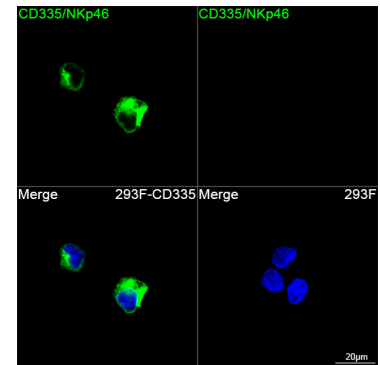
Validation Data



Flow cytometry: 1×10^6 293F cells (negative control, left) and 293F (Transfection, right) cells were surface-stained with ABflo® 488 Rabbit anti-Human CD335/NKp46 mAb (A24624, 5 μ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 293F (Transfection) cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-Human CD335/NKp46 mAb (A24624, 5 μ l/Test, right).



Confocal imaging of 293F cells transfected with CD335/NKp46 using ABflo® 488 Rabbit anti-Human CD335/NKp46 mAb (A24624, dilution 1:25). DAPI was used for nuclear staining (Blue). Objective: 100x.