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ABflo® 647 Rabbit anti-Human CD335/NKp46 mAb

Catalog No.: A24625

Basic Information

Observed MW

Calculated MW
21kDa/22kDa/23kDa/32kDa/34kDa

Category
Primary antibody

Applications
IF/ICC,FC

Cross-Reactivity
Human

CloneNo number
ARC62449-ABflo647

Conjugate
ABflo® 647. Ex:648nm. Em:664nm.

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.

Recommended Dilutions

IF/ICC	1:50 - 1:200
FC	5 µl per 10^6 cells in 100 µl volume

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

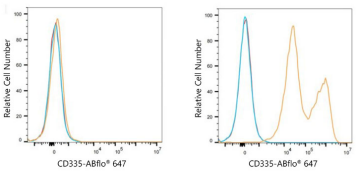
Source
Rabbit

Isotype
IgG

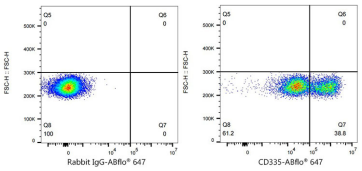
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

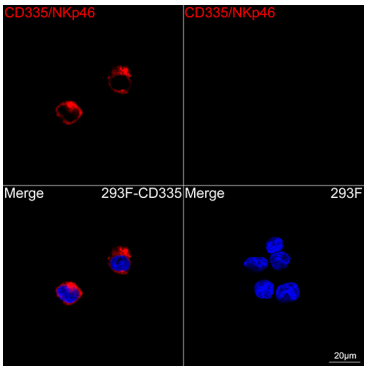
Validation Data



Flow cytometry: 1X10^6 293F cells (negative control,left) and 293F (Transfection,right) cells were surface-stained with ABflo® 647 Rabbit anti-Human CD335/NKp46 mAb (A24625,5 µl/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line). Non-fluorescently stained cells was 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 ABflo® 647 Rabbit anti-Human CD335/NKp46 mAb (A24625,5 µl/Test,right).



Confocal imaging of 293F cells transfected with CD335/NKp46 cells using ABflo® 647 Rabbit anti-Human CD335/NKp46 mAb (A24625, dilution 1:25). DAPI was used for nuclear staining (Blue). Objective: 100x.