

# ABflo® 594 Rabbit anti-Human CD99 mAb

Catalog No.: A25833

## Basic Information

### Observed MW

### Calculated MW

19kDa

### Category

Primary antibody

### Applications

IF/ICC,FC

### Cross-Reactivity

Human

### CloneNo number

ARC67259-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 protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus.

## Immunogen Information

### Gene ID

4267

### Swiss Prot

P14209

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 24-123 of human CD99 (NP\_002405.1).

### Synonyms

MIC2; HBA71; MIC2X; MIC2Y; MSK5X

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

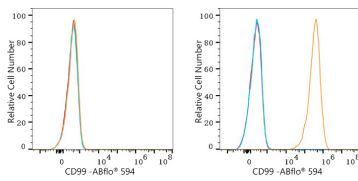
Affinity purification

### Storage

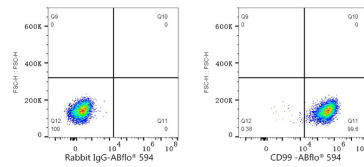
Store at 2-8°C. Avoid freeze.

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

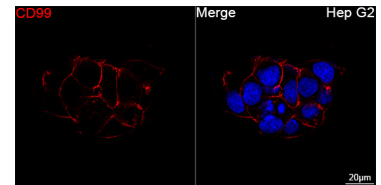
## Validation Data



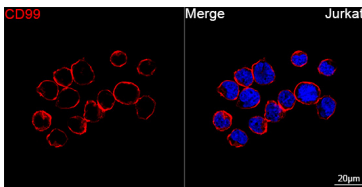
Flow cytometry:  $1 \times 10^6$  U266 cells (negative control, left) and Jurkat cells (right) were surface-stained with ABflo® 594 Rabbit anti-Human CD99 mAb (A25833, 5  $\mu$ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



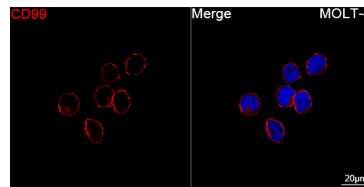
Flow cytometry:  $1 \times 10^6$  Jurkat cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 5  $\mu$ l/Test, left) or ABflo® 594 Rabbit anti-Human CD99 mAb (A25833, 5  $\mu$ l/Test, right).



Confocal imaging of Hep G2 cells using ABflo® 594 Rabbit anti-Human CD99 mAb (A25833, dilution 1:25) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of Jurkat cells using ABflo® 594 Rabbit anti-Human CD99 mAb (A25833, dilution 1:25) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of MOLT-4 cells using ABflo® 594 Rabbit anti-Human CD99 mAb (A25833, dilution 1:25) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.