

# CD99 Rabbit mAb

Catalog No.: A25856 **Recombinant**

## Basic Information

### Observed MW

32kDa

### Calculated MW

16-19kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC, FC

### Cross-Reactivity

Human

### CloneNo number

ARC67259

## 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.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IF/ICC</b>	1:50 - 1:200
<b>FC</b>	1:500 - 1:1000

## 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

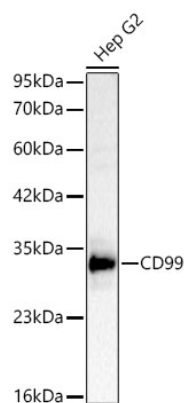
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from Hep G2 cells using CD99 Rabbit mAb (A25856) at 1:2000 dilution incubated overnight at 4°C.

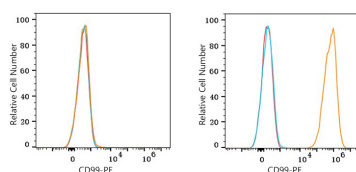
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

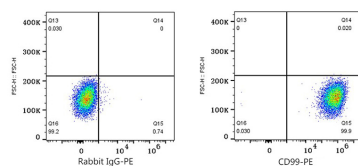
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

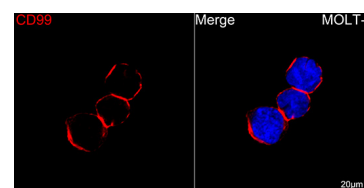
Exposure time: 30s.



Flow cytometry:  $1 \times 10^6$  U266 cells (negative control, left) and Jurkat cells (right) cells were surface-stained with CD99 Rabbit mAb (A25856, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by PE conjugated Donkey anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  Jurkat cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or CD99 Rabbit mAb (A25856, 2 µg/mL, right), followed by PE conjugated Donkey anti-rabbit pAb staining.



Confocal imaging of MOLT-4 cells using CD99 Rabbit mAb (A25856, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.