

CD99 Rabbit mAb

Catalog No.: A25856 **Recombinant**

Basic Information

Observed MW

32kDa

Calculated MW

16-19kDa

Category

Primary antibody

Applications

WB,IF/ICC,FC,ELISA

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

WB 1:2000 - 1:8000

IF/ICC 1:50 - 1:2000

FC 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

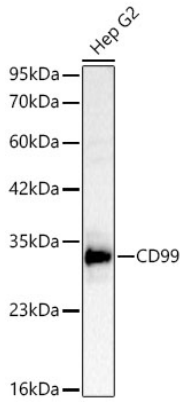
Affinity purification

Storage

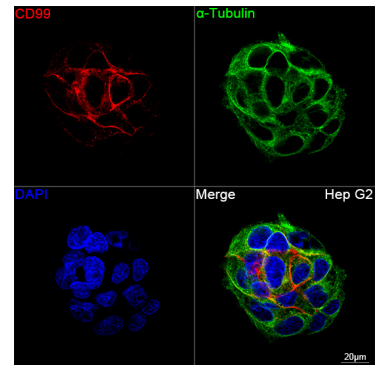
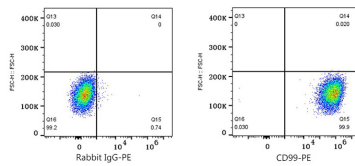
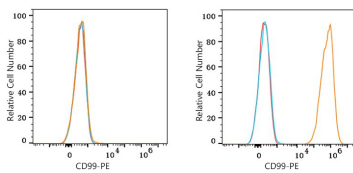
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



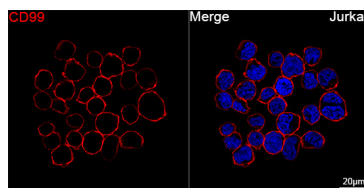
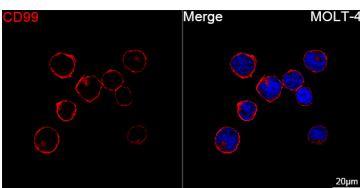
Western blot analysis of lysates from Hep G2 cells using CD99 Rabbit mAb (A25856) at 1:2000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Flow cytometry: 1×10^6 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: 1×10^6 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 Hep G2 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). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



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.

Confocal imaging of Jurkat 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.