Leader in Biomolecular Solutions for Life Science

www.abclonal.com

CD99 Rabbit mAb

Catalog No.: A25856 Recombinant

Basic Information

Observed MW
32kDa

Calculated MW
16-19kDa

Category
Primary antibody

Applications
WB,IF/ICC,IHC-P,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
IHC-P	1:20000 - 1:80000
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
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
MIC2; HBA71; MIC2X; MIC2Y; MSK5X

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

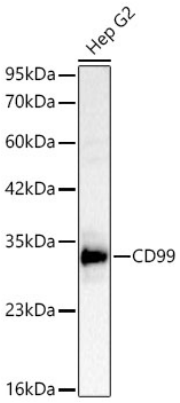
Contact

400-999-6126

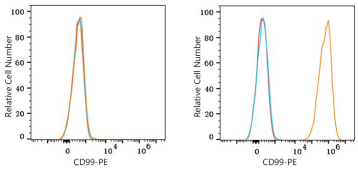
cn.market@abclonal.com.cn

www.abclonal.com.cn

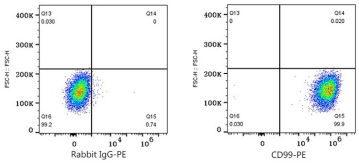
Validation Data



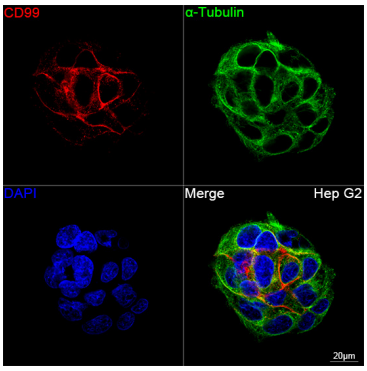
Western blot analysis of lysates from Hep G2 cells using CD99 Rabbit mAb (A25856) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



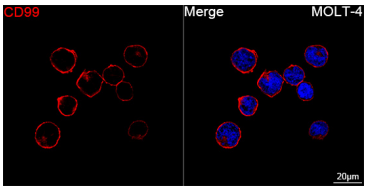
Flow cytometry: 1X10^6 U266 cells (negative control,left) and Jurkat cells (right) cells were surface-stained with CD99 Rabbit mAb (A25856,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by PE conjugated Donkey anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



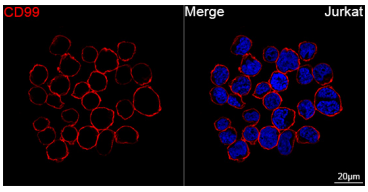
Flow cytometry: 1X10^6 Jurkat cells were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or CD99 Rabbit mAb (A25856,2 µg/mL,right), followed by PE conjugated Donkey anti-rabbit pAb staining.



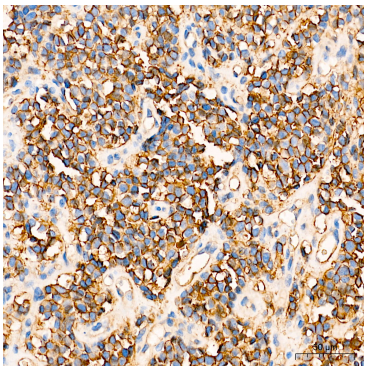
Confocal imaging of Hep G2 cells using CD99 Rabbit mAb (A25856, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated 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.

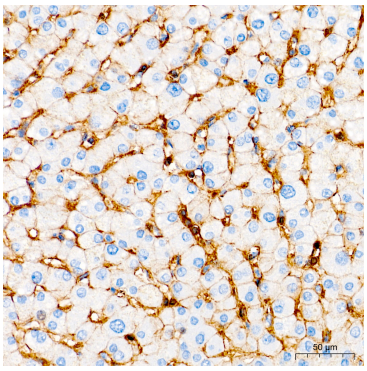


Confocal imaging of Jurkat cells using CD99 Rabbit mAb (A25856, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human ewing sarcoma tissue using CD99 Rabbit mAb (A25856) at a dilution of 1:30000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using CD99 Rabbit mAb (A25856) at a dilution of 1:30000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.