

CD98/SLC3A2 Rabbit mAb

Catalog No.: A24735 **Recombinant**

Basic Information

Observed MW

70-130kDa

Calculated MW

57kDa/61kDa/67kDa/68kDa/71kDa

Category

Primary antibody

Applications

WB,IF/ICC,FC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC64397

Background

This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.

Recommended Dilutions

WB 1:1000 - 1:2000

IF/ICC 1:200 - 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

6520

Swiss Prot

P08195

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 206-630 of human CD98/SLC3A2 (NP_002385.3).

Synonyms

4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC; CD98/SLC3A2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

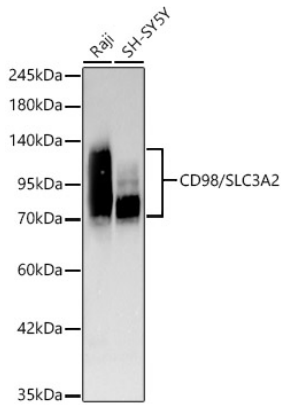
Affinity purification

Storage

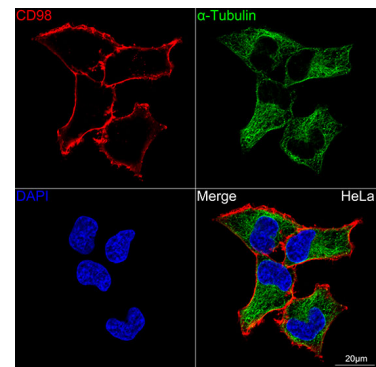
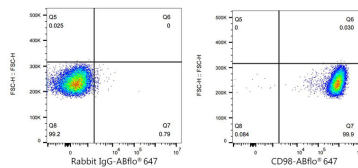
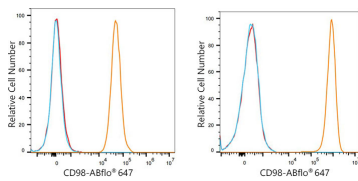
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



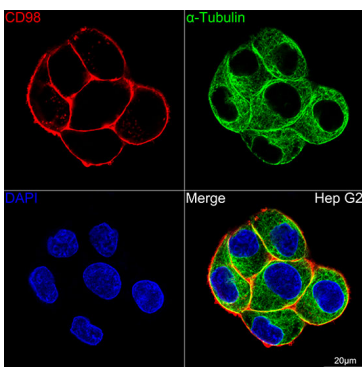
Western blot analysis of various lysates, using CD98/SLC3A2 Rabbit mAb (A24735) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.



Flow cytometry: 1×10^6 SH-SY5Y cells (Low Expression, left) and HeLa cells (right) were surface-stained with CD98/SLC3A2 Rabbit mAb (A24735, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 HeLa cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or CD98/SLC3A2 Rabbit mAb (A24735, 2 µg/mL, right).

Confocal imaging of HeLa cells using CD98/SLC3A2 Rabbit mAb (A24735, 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 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 Hep G2 cells using CD98/SLC3A2 Rabbit mAb (A24735, 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 mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green).

Validation Data

DAPI was used for nuclear staining (blue).
Objective: 100x.