

For Research Use Only

Biotin Anti-Human CD98/SLC3A2 Rabbit scFv Antibody

Catalog Number: Biotin-SF98190



Basic Information

Catalog Number:

Biotin-SF98190

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG1948

GenBank Accession Number:

NM_002394.5

GeneID (NCBI):

6520

Full Name:

solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2

Calculated MW:

68 kDa

Purification Method:

Affinity purification

CloneNo.:

241755D6

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC, ELISA

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

CD98 is a 125-kDa type II membrane glycoprotein heterodimer composed of a 40-kDa non-glycosylated light chain (amino-acid transporter, encoded by the SLC7A5) and an 85-kDa glycosylated heavy chain (CD98hc, encoded by the SLC3A2) (PMID: 11507094). CD98hc also interacts with certain integrin β -subunits to regulate cell migration, survival, proliferation, and adhesion/polarity. CD98hc is overexpressed on the cell surface of many cancers and increased CD98hc expression is associated with the development and progression of tumors (PMID: 25084765). Molecular orientation studies have demonstrated that the C-terminal tail of human CD98 (hCD98), which contains a PDZ-binding domain, is extracellular (PMID: 18625289).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 4% sucrose and 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

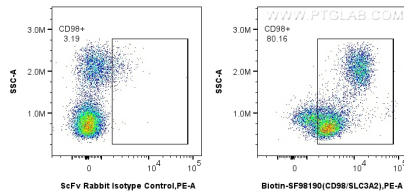
T: 4006900926

E: Proteintech-CN@ptglab.com

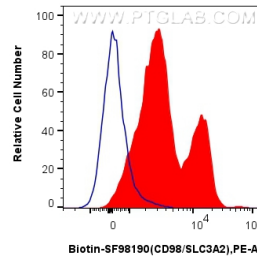
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD98/SLC3A2 Rabbit scFv Antibody (Biotin-SF98190, Clone: 241755D6) or 0.25 ug Isotype Control, and PE Streptavidin (Cat.No. PF00021). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD98/SLC3A2 Rabbit scFv Antibody (Biotin-SF98190, Clone: 241755D6) (red) or 0.25 ug Isotype Control (blue), and PE Streptavidin (Cat.No. PF00021). Cells were not fixed.