

For Research Use Only

Biotin Anti-Human CD98/SLC3A2 Rabbit scFv Antibody

Catalog Number: Biotin-SF98190



Basic Information

Catalog Number: Biotin-SF98190	GenBank Accession Number: NM_002394.5	Purification Method: Affinity purification
Size: 100ug , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 6520	CloneNo.: 241755D6
Source: Rabbit	Full Name: solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Type: scFv	Calculated MW: 68 kDa	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG1948		

Applications

Tested Applications: FC, ELISA	Positive Controls: FC : human PBMCs,
Species Specificity: human	

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

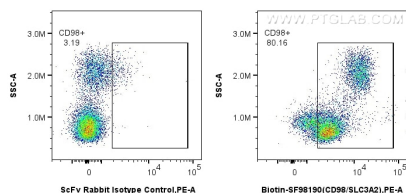
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 4% sucrose and 0.09% sodium azide, pH7.3

*** 20ul sizes contain 0.1% BSA

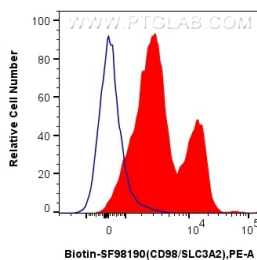
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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.