

For Research Use Only

# Biotin Anti-Human CD98/SLC3A2 Rabbit Recombinant Antibody

Catalog Number: Biotin-98190



## Basic Information

Catalog Number:

Biotin-98190

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1948

GenBank Accession Number:

NM\_002394.5

GeneID (NCBI):

6520

UNIPROT ID:

P08195-1

Full Name:

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

Calculated MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

241755D6

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC

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 b-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 0.09% sodium azide and 0.5% BSA, pH7.3

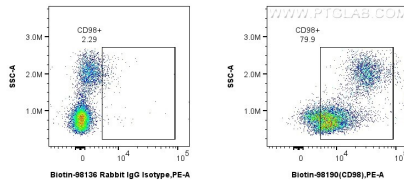
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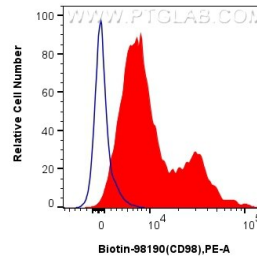
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD98/SLC3A2 Rabbit RecAb (Biotin-98190, Clone: 241755D6) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD98/SLC3A2 Rabbit RecAb (Biotin-98190, Clone: 241755D6) (red) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.