

For Research Use Only

# Anti-Human CD98/SLC3A2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98190-1-PBS



## Basic Information

### Catalog Number:

98190-1-PBS

### Size:

1mg, 2 mg/ml

### Source:

Rabbit

### Isotype:

IgG

### 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:

68kDa

### Purification Method:

Protein A purification

### CloneNo.:

241755D6

## Applications

### Tested Applications:

FC

### 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  $\beta$ -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  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

### Storage Buffer:

PBS Only

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

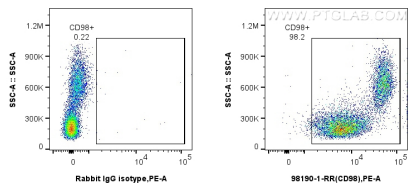
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

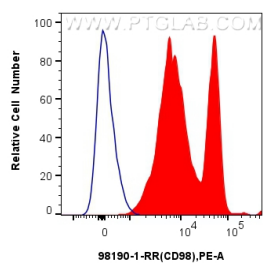
W: [ptgcn.com](http://ptgcn.com)

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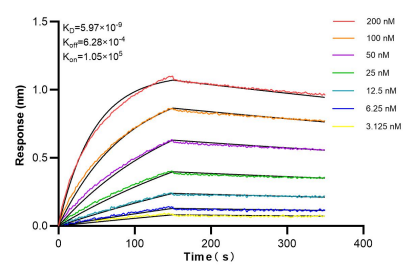
Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD98 Rabbit Recombinant Antibody (98190-1-RR, Clone: 241755D6) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98190-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD98 Rabbit Recombinant Antibody (98190-1-RR, Clone: 241755D6) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98190-1-PBS in a different storage buffer



Biolayer interferometry (BLI) kinetic assays of 98190-1-RR against Human CD98/SLC3A2 were performed. The affinity constant is 5.97 nM.