

For Research Use Only

# Anti-Human CD98/SLC3A2 Rabbit Recombinant Antibody

Catalog Number: 98190-1-RR



## Basic Information

**Catalog Number:**

98190-1-RR

**Size:**

100ug, 1000 µg/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 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. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide, pH 7.3.

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

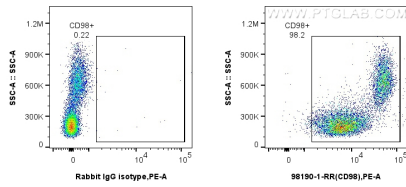
T: 4006900926

E: Proteintech-CN@ptglab.com

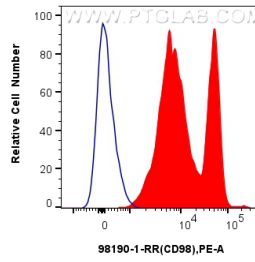
W: ptgcn.com

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## Selected Validation Data



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.



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.