

For Research Use Only

# CoraLite®594 Anti-Mouse CD98/SLC3A2 Rabbit Recombinant Antibody

Catalog Number:CL594-98128



## Basic Information

**Catalog Number:**

CL594-98128

**Concentration:**

100ug, 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG1374

**GenBank Accession Number:**

NM\_008577.4

**GeneID (NCBI):**

17254

**UNIPROT ID:**

P10852-1

**Full Name:**

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

**Calculated MW:**

58 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241247F1

**Recommended Dilutions:**

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

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

mouse

**Positive Controls:**

FC : mouse splenocytes,

## Background Information

CD98 is a cell-surface heterodimer consisting of a heavy chain (CD98hc) and a light chain. 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). This protein has 4 isoforms with the molecular mass of 58-71 kDa and can be detected 85-94 kDa due to glycosylation. The glycosylated CD98hc can links to a non-glycosylated light chain (~40 kDa) via a disulfide bond to form a heterodimeric CD98 antigen with molecular mass of 120-130 kDa (PMID: 14770309).

## 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, pH7.3

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

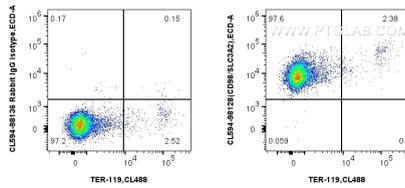
T: 4006900926

E: Proteintech-CN@ptglab.com

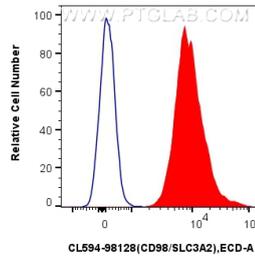
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse TER-119, and 0.25 ug CoraLite® 594 Anti-Mouse CD98/SLC3A2 Rabbit RecAb (CL594-98128, Clone:241247F1), or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® 594 Anti-Mouse CD98/SLC3A2 Rabbit RecAb (CL594-98128, Clone:241247F1) (red), or CoraLite® 594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed.