

For Research Use Only

# Anti-Mouse CD98/SLC3A2 Rabbit Recombinant Antibody

Catalog Number: 98128-1-RR



## Basic Information

<b>Catalog Number:</b> 98128-1-RR	<b>GenBank Accession Number:</b> NM_008577.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 ug/ml	<b>GeneID (NCBI):</b> 17254	<b>CloneNo.:</b> 241247F1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10852-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	
	<b>Calculated MW:</b> 58 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## Background Information

CD98 is a cell-surface heterodimer consisting of a heavy chain (CD98hc) and a light chain. 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). 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 link 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. 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:

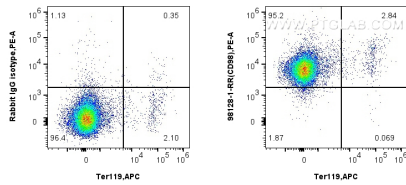
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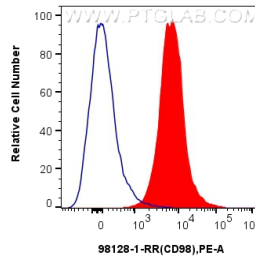
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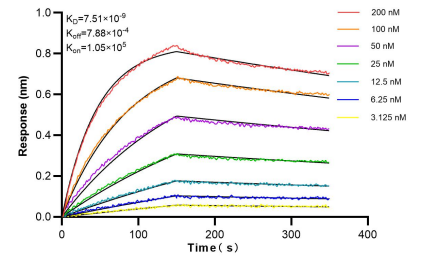
## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD98/SLC3A2 Rabbit Recombinant Antibody (98128-1-RR, Clone: 241247F1) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse TER-119 (TER-119) (APC-65149, Clone: TER-119). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD98 Rabbit Recombinant Antibody (98128-1-RR, Clone: 241247F1) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98128-1-RR against Mouse CD98 were performed. The affinity constant is 7.51 nM.