

For Research Use Only

Anti-Mouse CD98/SLC3A2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98128-1-PBS



Basic Information

Catalog Number:

98128-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

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

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 β -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 -80°C.

Storage Buffer:

PBS Only

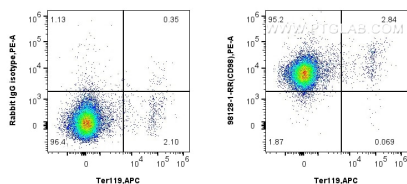
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

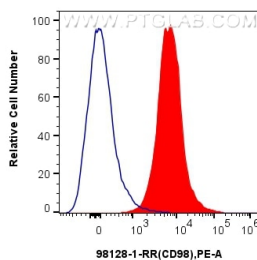
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

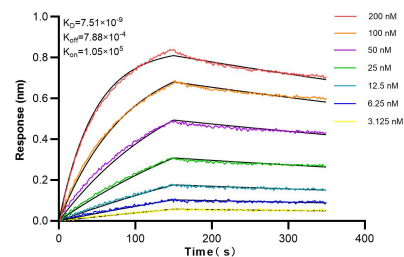
Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98128-1-PBS in a different storage buffer formulation.



1x10⁶ 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. This data was developed using the same antibody clone with 98128-1-PBS in a different storage buffer formulation.



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