

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD98/SLC3A2 Rabbit Recombinant Antibody

Catalog Number: CL647-98128



Basic Information

Catalog Number: CL647-98128	GenBank Accession Number: NM_008577.4	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 17254	CloneNo.: 241247F1
Source: Rabbit	UNIPROT ID: P10852-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1374	Calculated MW: 58 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
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 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 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. 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:

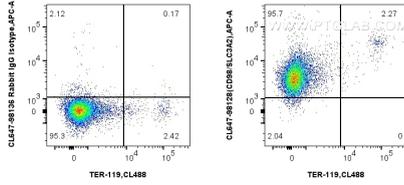
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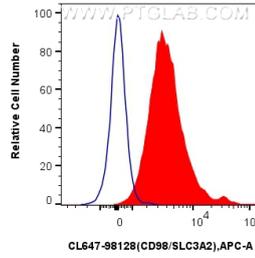
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse TER-119, and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD98/SLC3A2 Rabbit RecAb (CL647-98128, Clone:241247F1), or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD98/SLC3A2 Rabbit RecAb (CL647-98128, Clone:241247F1) (red), or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.