

For Research Use Only

CoraLite® Plus 488-conjugated CD98 Recombinant antibody

Catalog Number: CL488-84387-6



Basic Information

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|--|---|---|
| Catalog Number: CL488-84387-6 | GenBank Accession Number: NM_002394.5 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 6520 | CloneNo.: 241755A11 |
| Source: Rabbit | UNIPROT ID: P08195-1 | Recommended Dilutions: IF/ICC 1:50-1:500 |
| Isotype: IgG | Full Name: solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: EG1948 | Calculated MW: 68kDa | |
| | Observed MW: 68-125 kDa | |

Applications

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| Tested Applications: IF/ICC | Positive Controls: IF/ICC : HepG2 cells, |
| 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) and an 85-kDa glycosylated heavy chain (CD98hc) (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).

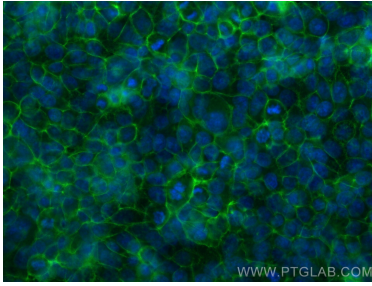
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 CD98 antibody (CL488-84387-6, Clone: 241755A11) at dilution of 1:200.