

For Research Use Only

CoraLite® Plus 488-conjugated CD98 Recombinant antibody

Catalog Number: CL488-84387-6



Basic Information

Catalog Number: CL488-84387-6	GenBank Accession Number: NM_002394.5	Purification Method: Protein A purification
Concentration: 1000 µg/ml	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

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:

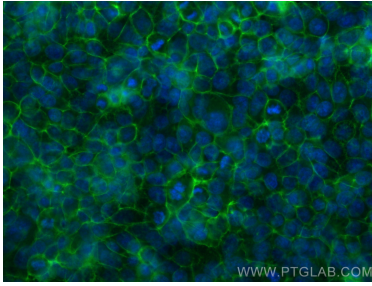
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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.