

# CoraLite® Plus 488-conjugated CD98/SLC3A2 Monoclonal antibody

Catalog Number: **CL488-66883**

## Basic Information

**Catalog Number:**

CL488-66883

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG7301

**GenBank Accession Number:**

BC001061

**GeneID (NCBI):**

6520

**UNIPROT ID:**

P08195

**Full Name:**solute carrier family 3 (activators of  
dibasic and neutral amino acid  
transport), member 2**Calculated MW:**

68 kDa

**Observed MW:**

85-94 kDa, 120-130 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2B10F5

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : HeLa cells,

## 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

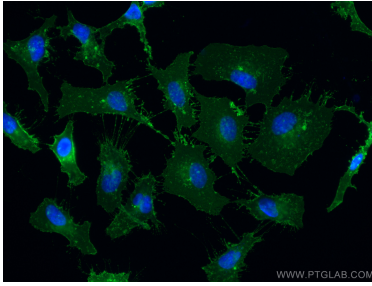
**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed HeLa cells using CoraLite® Plus 488  
CD98/SLC3A2 antibody (CL488-66883, Clone:  
2B10F5 ) at dilution of 1:200.