

For Research Use Only

# CD98/SLC3A2 Monoclonal antibody, PBS Only

Catalog Number: 66883-1-PBS



## Basic Information

Catalog Number:

66883-1-PBS

Size:

100ug, Concentration: 1mg/ml by  
Nanodrop;

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

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

## 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 -80°C.

Storage Buffer:

PBS Only

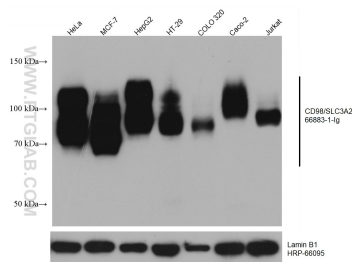
For technical support and original validation data for this product please contact:

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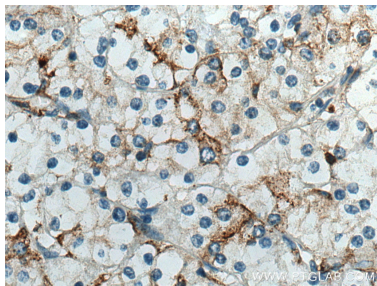
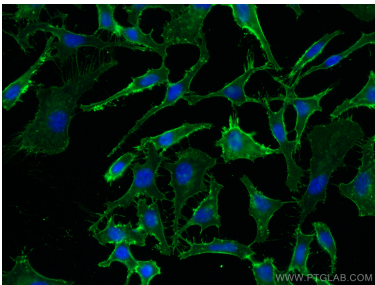
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66883-1-Ig (CD98/SLC3A2 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 66883-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 66883-1-Ig (CD98/SLC3A2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66883-1-PBS in a different storage buffer formulation.