

Nur für Forschungszwecke

# CD98/SLC3A2 Monoklonaler Antikörper



Katalog-Nr.: 66883-1-Ig **4 Publikationen**

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66883-1-Ig	<b>GenBank-Zugangsnummer:</b> BC001061	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1700 µg/ml von 6520 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> Vollständiger Name: solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	<b>CloneNo.:</b> 2B10F5
<b>Wirt:</b> Maus	<b>Berechnete Masse:</b> 68 kDa	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:400-1:1600
<b>Isotyp:</b> IgG2a	<b>Beobachtete Masse:</b> 85-94 kDa, 120-130 kDa	
<b>Immunogen Katalognummer:</b> AG7301		

## Anwendungen

### Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, WB

### Getestete Reaktivität:

Human

### Zitierte Arten:

Human

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** HeLa-Zellen, Caco-2-Zellen, COLO 320-Zellen, HepG2-Zellen, HT-29-Zellen, Jurkat-Zellen, MCF-7-Zellen

**IHC:** humanes Nierenzellkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe, humanes Zervixkarzinomgewebe

**IF:** HeLa-Zellen,

## Hintergrundinformationen

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).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shunxi Wang	36229881	Cancer Cell Int	WB
Mathilde Mathieu	34282141	Nat Commun	WB
Eleonora Grisard	35790086	J Extracell Vesicles	WB

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

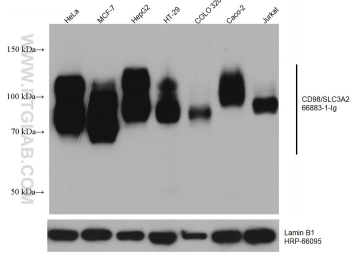
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

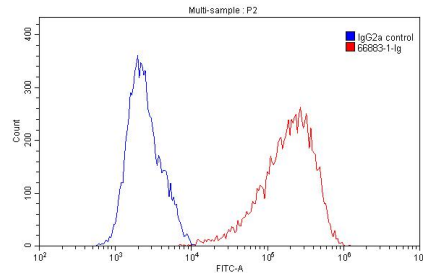
E: proteintech@ptglab.com  
W: ptglab.com

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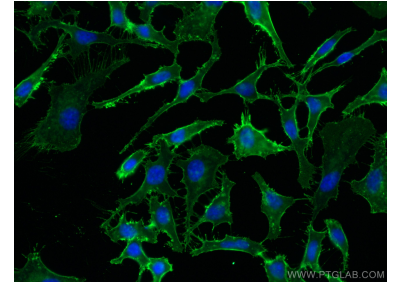
## Ausgewählte Validierungsdaten



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.



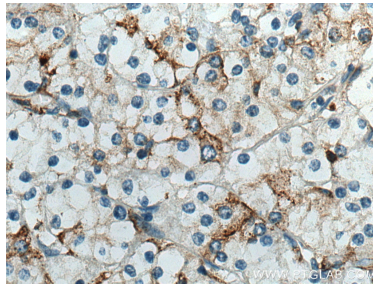
$1 \times 10^6$  HeLa cells were stained with 0.20ug CD98/SLC3A2 antibody (66883-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CD98/SLC3A2 antibody (66883-1-Ig, Clone: 2B10F5) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 66883-1-Ig (CD98/SLC3A2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).