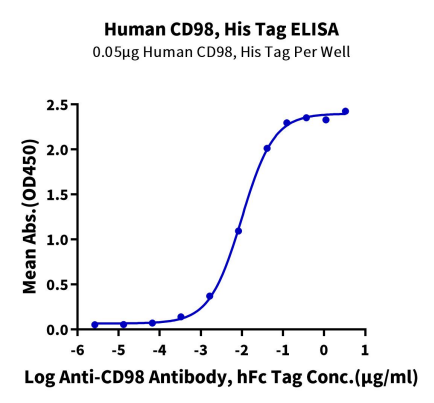
Bioactive CellTx™ HuPro®

SLC3A2 (Human) Recombinant Protein

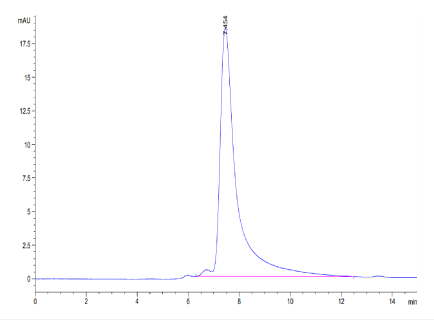
Catalog # P10000 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD98, His Tag at 0.5ug/ml (100ul/well) on the plate. Dose response curve for Anti-CD98 Antibody, hFc Tag with the EC_{50} of 10.1ng/ml determined by ELISA.



SEC-HPLC

The purity of Human CD98 is greater than 95% as determined by SEC-HPLC.

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Tris-Bis PAGE

Human CD98 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human SLC3A2 (AAH01061, Arg206-Ala630) partial recombinant protein with His tag at N-terminus expressed in HEK293 cells.
Sequence	Arg206-Ala630
Host	Human
Theoretical MW (kDa)	47.9 kDa Due to g
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)

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Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human CD98 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD98 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD98, His Tag at 0.5ug/ml (100ul/well) on the plate. Dose response curve for Anti-CD98 Antibody, hFc Tag with the EC_{50} of 10.1ng/ml determined by ELISA.

Gene Info — SLC3A2

Entrez GeneID	6520
Protein Accession#	AAH01061
Gene Name	SLC3A2
Gene Alias	4F2, 4F2HC, 4T2HC, CD98, CD98HC, MDU1, NACAE
Gene Description	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
Omim ID	158070
Gene Ontology	Hyperlink

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Gene Summary	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane pr otein with an alpha amylase domain. The protein exists as the heavy chain of a heterodimer, coval ently bound through di-sulfide bonds to one of several possible light chains. It associates with inte grins and mediates integrin-dependent signaling related to normal cell growth and tumorigenesis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [pr ovided by RefSeq
Other Designations	4F2 cell-surface antigen heavy chain|4F2 heavy chain|CD98 heavy chain|antigen defined by mono clonal antibody 4F2, heavy chain|antigen identified by monoclonal antibodies 4F2, TRA1.10, TRO P4, and T43|heavy chain|lymphocyte activation antigen 4F2 large subu

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Lymphoma
- Multiple Myeloma

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