

**PRODUCT INFORMATION**

<b>Target</b>	CD98
<b>Synonyms</b>	SLC3A2;4F2;MDU1;4F2HC;4T2HC;NACAE;CD98HC
<b>Description</b>	Recombinant Human CD98 Protein with N-terminal 6XHis tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P08195
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-6×His Tag
<b>Molecular Characterization</b>	6×His tag CD98(Arg206-Ala630)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 47.7 kDa after removal of the signal peptide. The apparent molecular mass of His-CD98 is approximately 55-100 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized. [provided by RefSeq, Nov 2010]
<b>Usage</b>	Research use only



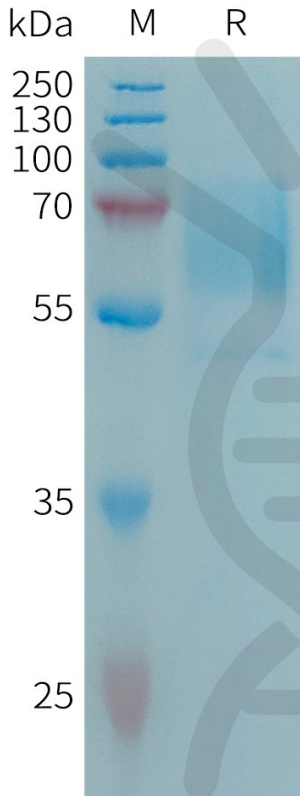


Figure 1. Human CD98 Protein, His Tag on SDS-PAGE under reducing condition.

### Human CD98, His Tagged protein ELISA

0.2  $\mu$ g of Human CD98, His tagged protein per well

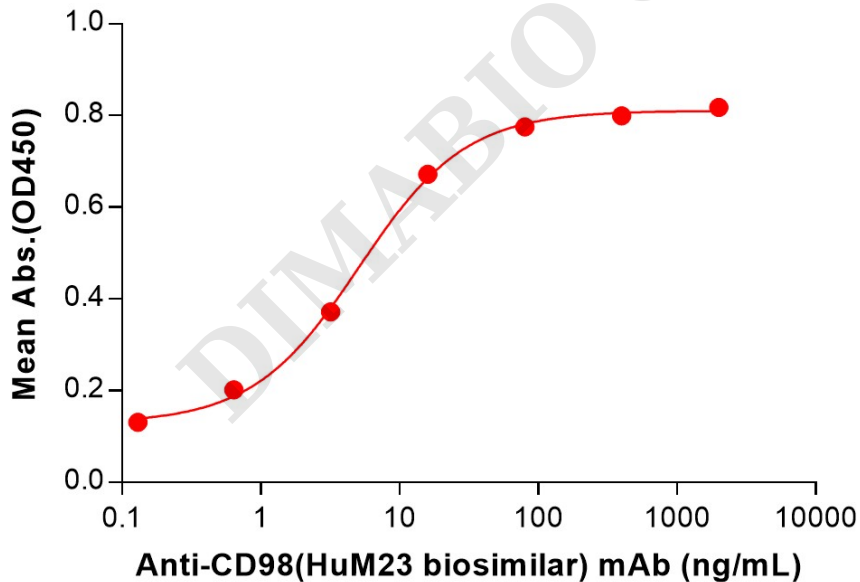


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD98 Protein, His Tag (PME101306) can bind Anti-CD98(HuM23 biosimilar) mAb (BME100238) in a linear range of 0.64–80 ng/mL.

