

## PRODUCT INFORMATION

<b>Target</b>	LIV-1
<b>Synonyms</b>	LIV1;SLC39A6;ZIP-6
<b>Description</b>	Recombinant human LIV-1 Protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q13433
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	LIV-1(Phe29-Trp325) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 34.4 kDa after removal of the signal peptide. The apparent molecular mass of LIV-1-His is approximately 55-70 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>	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



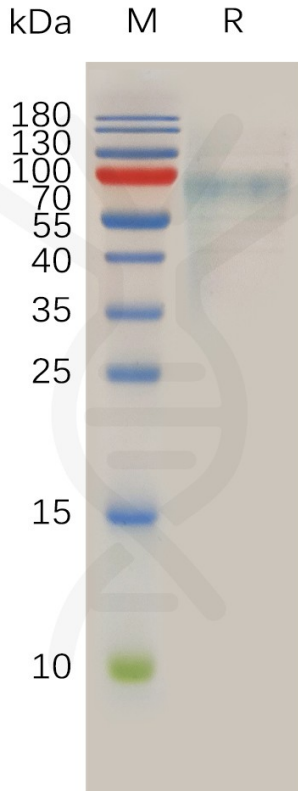


Figure 1. Human LIV-1 Protein, His Tag on SDS-PAGE under reducing condition.

### Human LIV-1, His Tagged protein ELISA

0.2  $\mu\text{g}$  of Human LIV-1, His tagged protein per well

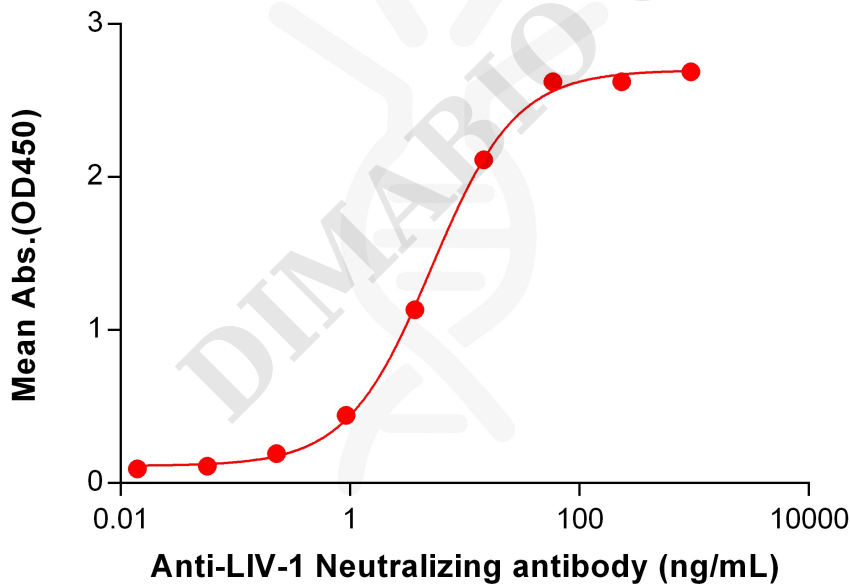


Figure 2. ELISA plate pre-coated by 2  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human LIV-1 Protein, His Tag (PME100759) can bind Anti-LIV-1 Neutralizing antibody BME100113 in a linear range of 0.92-58.59 ng/mL.

