PRODUCT INFORMATION

Target	LIV-1
Synonyms	LIV1;SLC39A6;ZIP-6
Description	Recombinant human LIV-1 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q13433
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	LIV-1(Phe29-Trp325) 6×His tag
Molecular Weight	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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

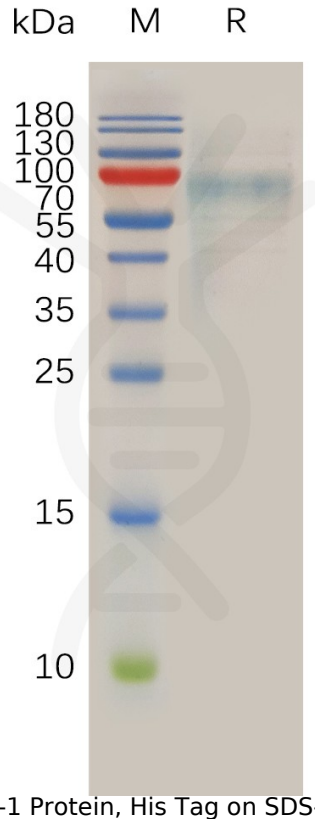

Figure 1. Human LIV-1 Protein, His Tag on SDS-PAGE under reducing condition.

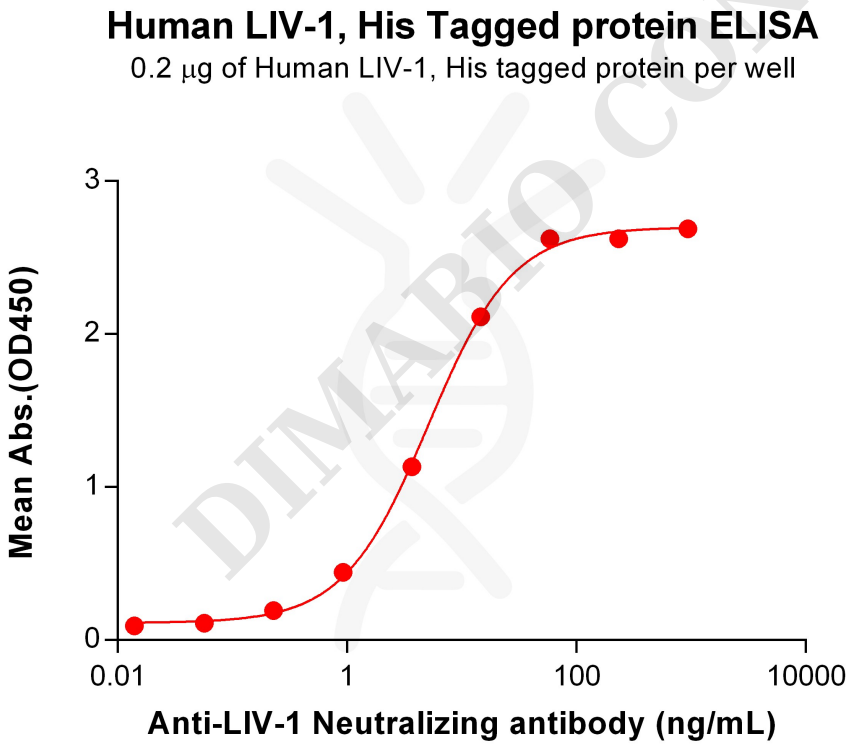

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human LIV-1 Protein, His Tag (PME100759) can bind Anti-LIV-1 Neutralizing antibody BME100113 in a linear range of 0.92–58.59 ng/mL.