

## HUMAN ALB PROTEIN, HIS TAG

**Cat.#:** 11388

**Product Name:** Human ALB Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** HSA;PRO0883;PRO0903;PRO1341

**Target:** ALB

**UNIPROT ID:** P02768

**Description:** Recombinant Human ALB with C-terminal 6xHis tag

**Background:** This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 67.3 kDa after removal of the signal peptide. The apparent molecular mass of ALB-His is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** ALB(Asp25-Leu609) 6×His tag

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**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.



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

### Human ALB,His Tagged protein ELISA

0.2 µg of Human ALB, His tagged protein per well

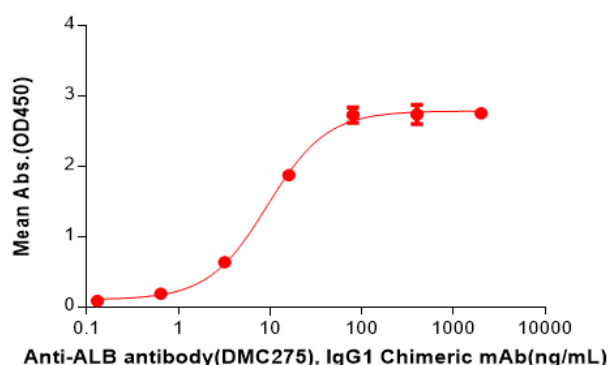


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human ALB Protein, His Tag(11388) can bind Anti-ALB antibody(DMC275), IgG1 Chimeric mAb in a linear range of 3.20-16 ng/mL.