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Datasheet for ABIN7092748

Albumin Protein (ALB) (AA 25-609) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	Albumin (ALB)
Protein Characteristics:	AA 25-609
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Albumin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ALB with C-terminal 6xHis tag
Specificity:	ALB (Asp25-Leu609) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Albumin (ALB)
Alternative Name:	ALB (ALB Products)
Background:	This gene encodes the most abundant protein in human blood. This protein functions in the

Target Details

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]

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

UniProt: [P02768](#)

Pathways: [Lipid Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

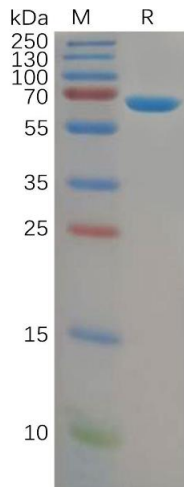
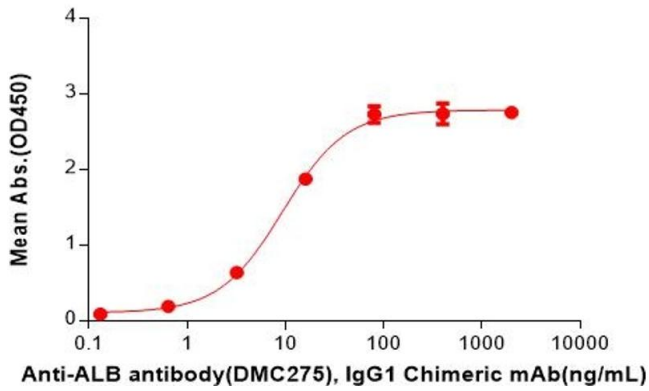
Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months

Human ALB,His Tagged protein ELISA

0.2 µg of Human ALB, His tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human ALB Protein, His Tag (ABIN7092748, ABIN7272304 and ABIN7272305) can bind Anti-ALB antibody, IgG1 Chimeric mAb in a linear range of 3.20-16 ng/mL.

SDS-PAGE

Image 2. Human ALB Protein, His Tag on SDS-PAGE under reducing condition.