

Datasheet for ABIN7273984

Albumin Protein (ALB) (AA 25-609) (His-Avi Tag,Biotin)[Go to Product page](#)**3** 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-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human Serum Albumin Protein
Sequence:	Asp25-Leu609
Characteristics:	Recombinant Biotinylated Human Serum Albumin Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Asp25-Leu609.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 1.67 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

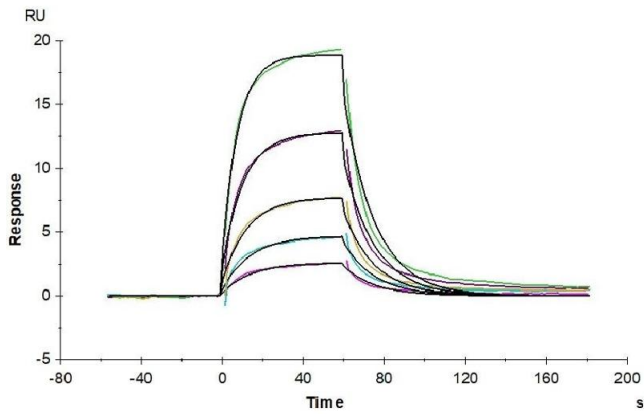
Target:	Albumin (ALB)
Alternative Name:	Serum Albumin (ALB Products)
Background:	Human serum albumin (HSA), the most prominent protein in plasma, binds different classes of ligands at multiple sites. HSA provides a depot for many compounds, affects pharmacokinetics of many drugs, holds some ligands in a strained orientation providing their metabolic modification, renders potential toxins harmless transporting them to disposal sites, accounts for most of the antioxidant capacity of human serum, and acts as a NO-carrier.
Molecular Weight:	69.4 kDa. Due to glycosylation, the protein migrates to 69-70 kDa based on Tris-Bis PAGE result.
Pathways:	Lipid Metabolism

Application Details

Restrictions:	For Research Use only
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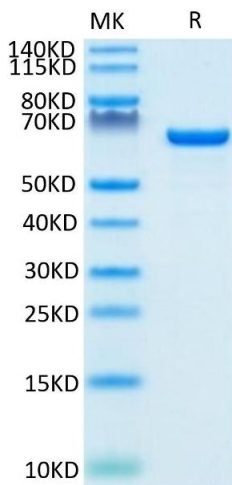
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



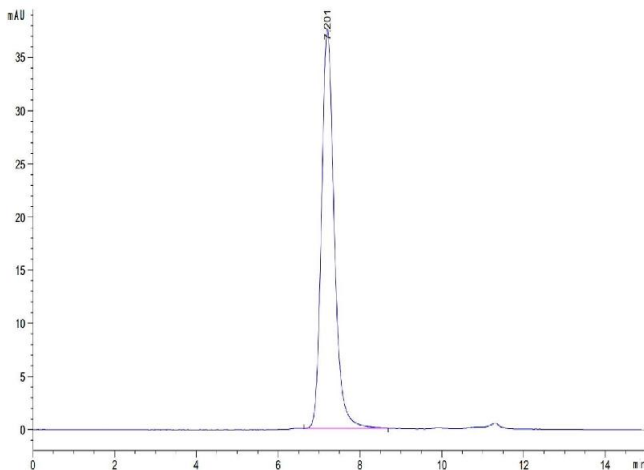
Surface Plasmon Resonance

Image 1. Biotinylated Human Serum Albumin, His-Avi Tag immobilized on CM5 Chip can bind Human FcRn, His Tag with an affinity constant of 1.67 μM as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Biotinylated Human Serum Albumin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human Serum Albumin is greater than 95 % as determined by SEC-HPLC.