

Datasheet for ABIN7273985

Albumin Protein (ALB) (AA 25-608) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Albumin (ALB)
Protein Characteristics:	AA 25-608
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Albumin protein is labelled with His tag.

Product Details

Purpose:	Mouse Serum Albumin Protein
Sequence:	Glu25-Ala608
Characteristics:	Recombinant Mouse Serum Albumin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu25-Ala608.
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 54.53 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	Albumin (ALB)
Alternative Name:	Serum Albumin (ALB Products)
Background:	Albumins are multifunctional proteins present in the blood serum of animals. They can bind and transport a wide variety of ligands which they accommodate due to their conformational flexibility. Serum albumins are highly conserved both in amino acid sequence and three-dimensional structure. Several mammalian and avian serum albumins (SAs) are also allergens. Sensitization to one of the SAs coupled with the high degree of conservation between SAs may result in cross-reactive antibodies in allergic individuals.
Molecular Weight:	70.19 kDa same as Tris-Bis PAGE result.
UniProt:	P07724
Pathways:	Lipid Metabolism

Application Details

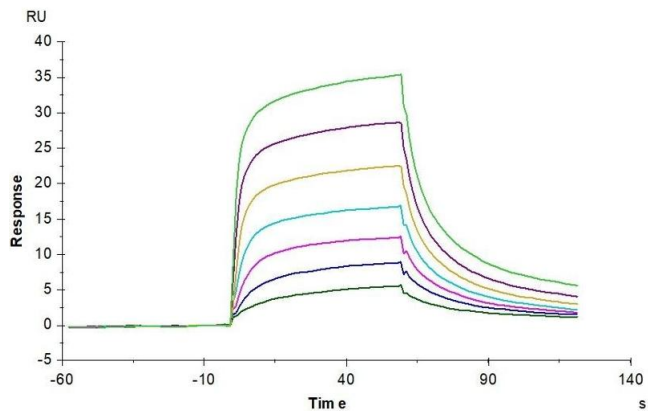
Restrictions:	For Research Use only
---------------	-----------------------

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

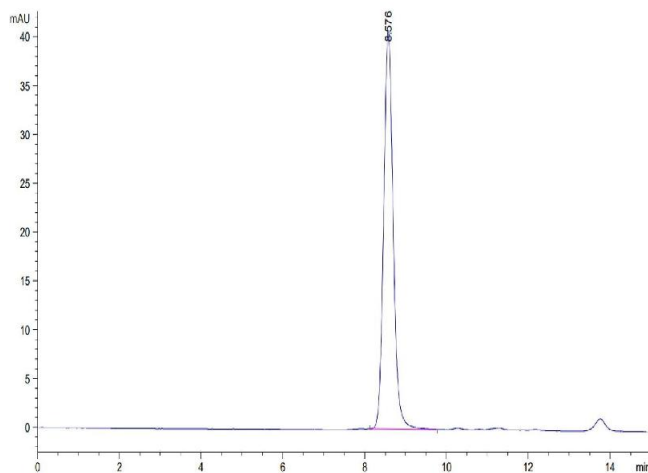
Surface Plasmon Resonance

Image 1. Mouse Serum Albumin, His Tag immobilized on CM5 Chip can bind Mouse FcRn, His Tag with an affinity constant of 54.53 nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse Serum Albumin is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Mouse Serum Albumin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

