Recombinant Cynomolgus Serum albumin/ALB Protein

Catalog No.: RP02652

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Sequence Information

Species
Cynomolgus

Gene ID
102130757

Swiss Prot
A2V9Z4-1

Tags
C-His

Synonyms
Albumin; ALB; Serum albumin; ANALBA; FDAH; PRO0883; PRO0903; PRO1341

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
67.1 kDa

Observed MW
68-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Basic Information

Description
Recombinant Cynomolgus Serum albumin/ALB Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp25-Ala608) of Cynomolgus Serum albumin/ALB (Accession #) fused with His tag at the C-terminal.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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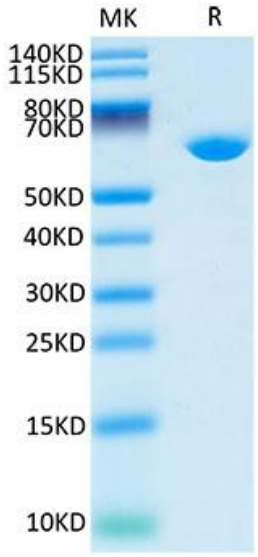
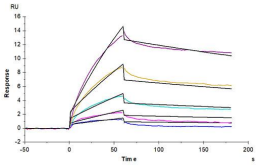
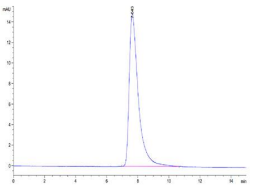
Validation Data



Recombinant Cynomolgus Serum albumin/ALB Protein was determined by Tris-Bis PAGE under reducing conditions.



Cynomolgus Serum Albumin, His Tag immobilized on CM5 Chip can bind Cynomolgus /Rhesus macaque FcRn, His Tag with an affinity constant of 0.108μM as determined in SPR assay (Biacore T200).



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

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