

Cynomolgus Serum Albumin Protein, Ultra Low Endotoxin



Cat. No. BSA-CM101-UL

Description

Source	Recombinant Cynomolgus Serum Albumin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp25-Ala608.
Accession	A2V9Z4-1
Molecular Weight	The protein has a predicted MW of 67.1 kDa. Due to glycosylation, the protein migrates to 68-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.001 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

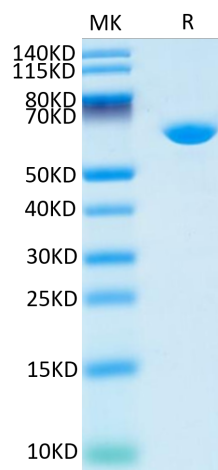
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

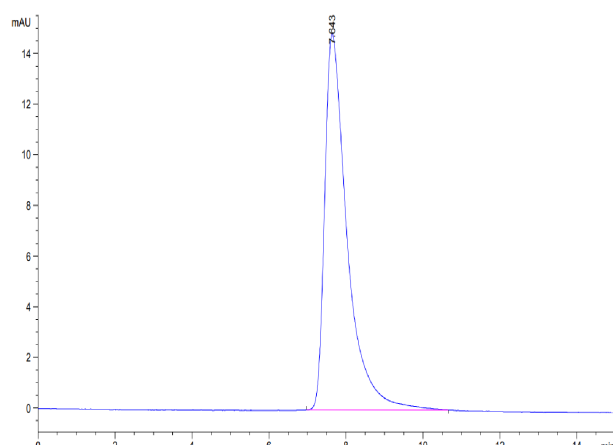
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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