Human Serum Albumin Protein

Cat. No. BSA-HM101

Description

Source	Recombinant Human Serum Albumin Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Asp25-Leu609.
Accession	P02768-1
Molecular Weight	The protein has a predicted MW of 68.08 kDa. Due to glycosylation, the protein migrates to 65-85 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

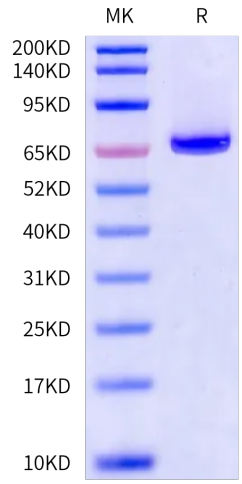
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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.

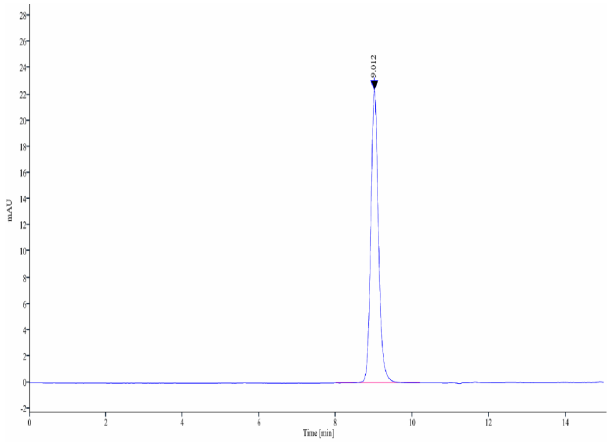
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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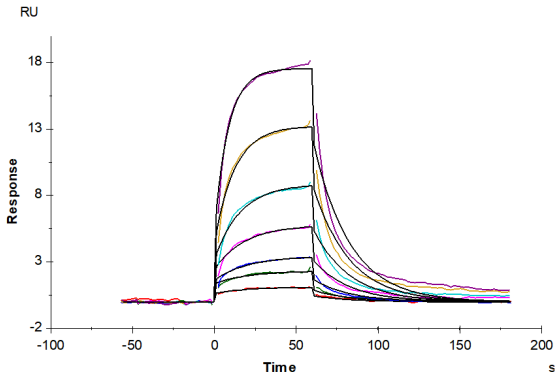
Assay Data

SPR Data



Human Serum Albumin, His Tag immobilized on CM5 Chip can bind Human FcRn, His Tag (Cat. FRN-HM101) with an affinity constant of 1.00 μM as determined in SPR assay (Biacore T200).