

# Mouse Serum Albumin Protein

Cat. No. BSA-MM101

## Description

<b>Source</b>	Recombinant Mouse Serum Albumin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu25-Ala608.
<b>Accession</b>	P07724
<b>Molecular Weight</b>	The protein has a predicted MW of 70.19 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

## Formulation and Storage

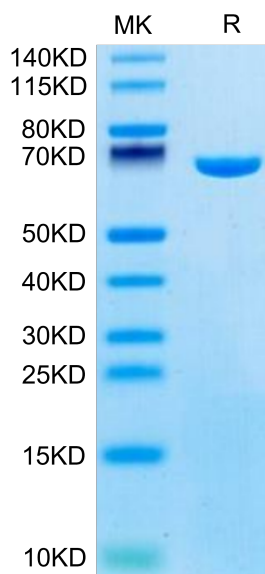
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

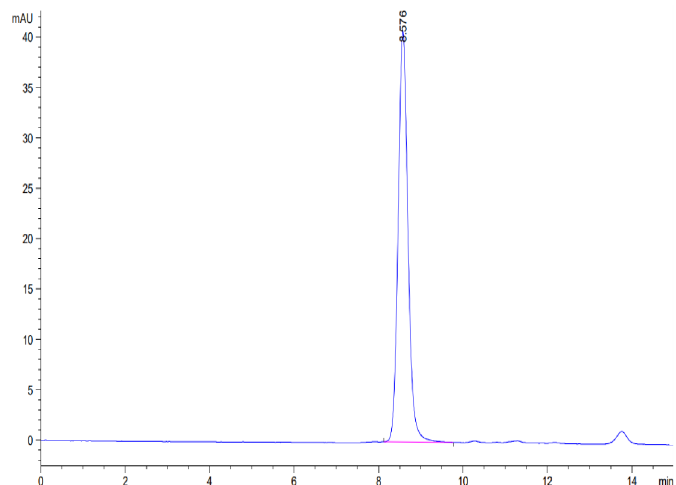
### Bis-Tris PAGE



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

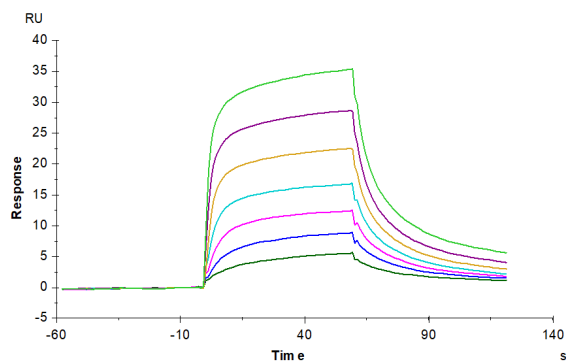
### SEC-HPLC

Assay Data



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

SPR Data



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).