Mouse Serum Albumin Protein

Cat. No. BSA-MM101

Description

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

Formulation and Storage

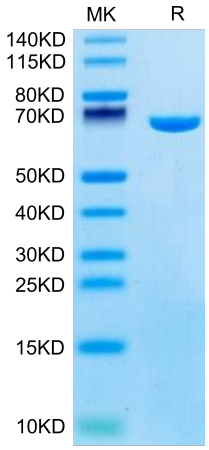
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

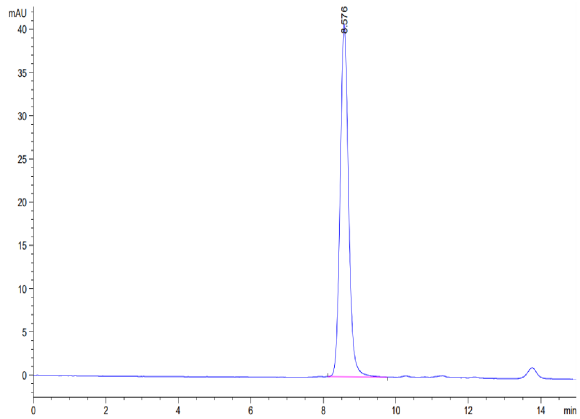
Assay Data

Tris-Bis PAGE



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

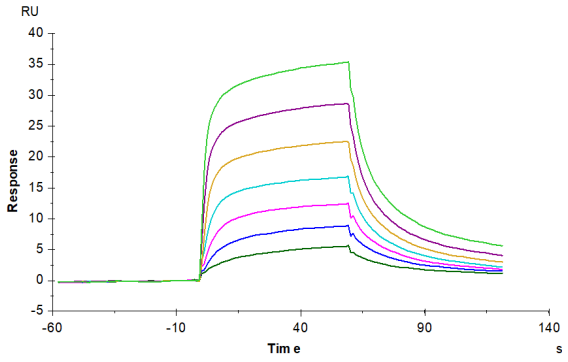
SEC-HPLC



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

Assay Data

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).