

Catalog No.: RP02805 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	11657	P07724

C-His

ALB;HSA;PRO0883;PRO0903;PRO1341;albumin:Albumin :Alb

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by HPLC.

70.19 kDa 70 kDa

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

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Recombinant Mouse Serum albumin/ALB Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu25-Ala608) of mouse Serum albumin/ALB (Accession #NP_033784.2) fused with a 6×His tag at the C-terminus.

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).

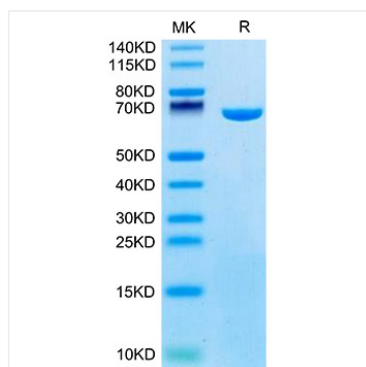
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

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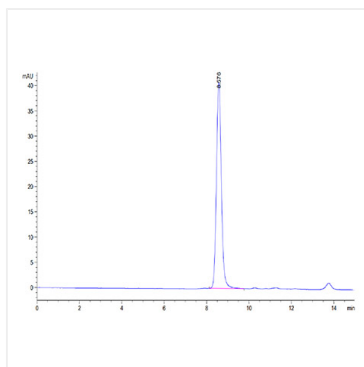
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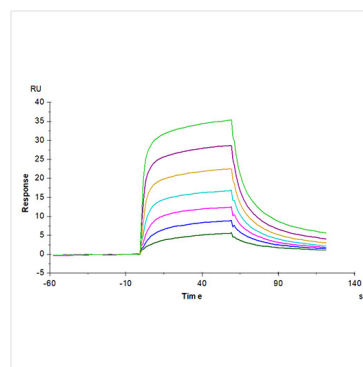
Validation Data



Recombinant Mouse Serum albumin/ALB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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



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