

## ALB

### Native Human Serum Albumin

<b>Catalog No.</b>	CSI19609A CSI19609B	<b>Quantity:</b>	5 g 100 g
<b>Alternate Names:</b>	ALB, Serum ALB, HSA		
<b>Description:</b>	Human Serum Albumin is a soluble, monomeric protein comprising about one-half of the blood serum protein. ALB is produced in the liver and primarily functions as a carrier protein for steroids, fatty acids, thyroid hormones, and also plays a key role in stabilizing extracellular fluid volume.		
<b>Gene ID:</b>	213		
<b>UniProt ID:</b>	P02768		
<b>Source:</b>	Human Serum		
<b>Molecular Weight:</b>	67 kDa		
<b>Formulation:</b>	Lyophilized		
<b>Purity:</b>	≥ 95% (SDS-PAGE)		
<b>Microbial Content:</b>	≤ 10 CFU/ml		
<b>Moisture:</b>	≤ 5%		
<b>Reconstitution:</b>	Reconstitute in sterile, distilled water or other aqueous buffers.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for up to 1 year. Upon reconstitution, aliquot and freeze at -20°C. <b>Avoid repeated freeze/thaw cycles.</b>		
<b>Application Notes:</b>	Human Serum Albumin is used as a carrier protein (helps stabilize other solubilized proteins). It may be used as a blocking agent in Western blots and ELISA applications. HSA is readily soluble in de-ionized water and can only be precipitated by high concentrations of neutral salts. Albumin is readily coagulated with heat.		
<b>Certification:</b>	Non-reactive for HIV-1, HCV, HBV by NAT, HBsAg, HCV Ab, HIV 1 and 2 Ab, and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Bio-safety level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Bio-safety in microbiological and Biometical Laboratories", 1999.		

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