

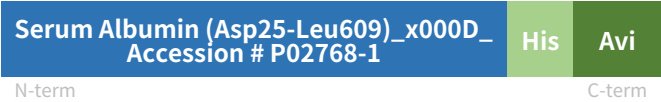
Rev03
 Update: Aug,08,2025

DATASHEET

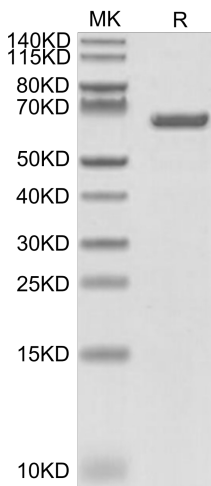
Serum Albumin, His & Avi, Human

Cat. No.: Z05807

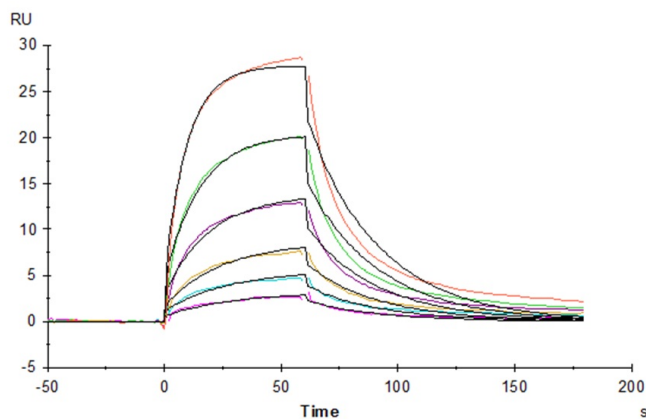
Product Introduction

Species	Human
Protein Construction	 <p>Serum Albumin (Asp25-Leu609)_x000D_ Accession # P02768-1</p> <p>N-term His Avi C-term</p>
Purity	<p>> 95% as determined by BisTris PAGE</p> <p>> 95% as determined by HPLC</p>
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Serum Albumin, His & Avi, Human immobilized on CM5 Chip can bind Human FcRn, His Tag in SPR assay (Biacore T200). Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	69.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 69-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

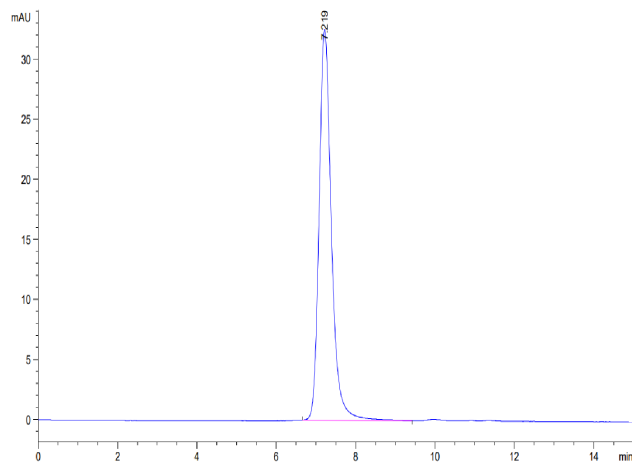
Examples



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



Serum Albumin, His & Avi, Human on CM5 Chip can bind Human FcRn, His Tag with an affinity constant of $0.728 \mu\text{M}$ as determined in SPR assay (Biacore T200).



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

Background

Target 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.

Synonyms : Albumin; ALB; Serum albumin; ANALBA; FDAH; PRO0883; PRO0903; PRO1341

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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