

**HUMAN ALBUMIN (BULK ORDER) - 009-0133**
**Code:** 009-0133

**Size:** 25 mg

**Product Description:** HUMAN ALBUMIN (BULK ORDER) - 009-0133

**Concentration:** 10.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.5 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	HUMAN ALBUMIN
<b>Application Note</b>	Human Albumin can be used in SDS, Western Blotting, ELISA experiments and other immunological assays.
<b>Background</b>	Human albumin or serum albumin is encoded by the ALB gene and is the most abundant plasma protein in mammals. Human albumin is essential for maintaining the osmotic pressure needed for proper distribution of body fluids between intravascular compartments and body tissues. Human albumin also acts as a plasma carrier by non-specifically binding several hydrophobic steroid hormones and as a transport protein for hemin and fatty acids. Too much serum albumin in the body can be harmful.
<b>Purity And Specificity</b>	This product was prepared from normal serum by a multi-step process which includes delipidation and selective precipitation followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Albumin and anti-Human Serum.
<b>Assay Dilutions</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.

**Related Products**

010-0102	MOUSE IgG whole molecule - 010-0102
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

**Related Links**

GenID - 213

<https://www.ncbi.nlm.nih.gov/gene/213>

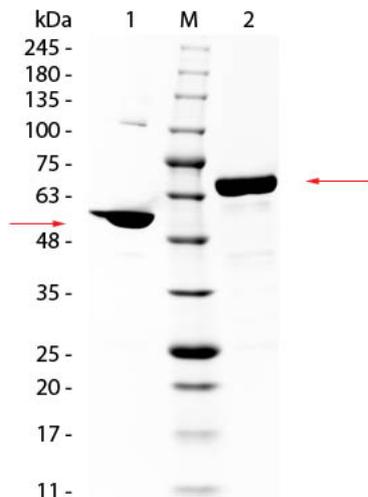
 UniProtKB - <https://www.uniprot.org/uniprot/P02768>

NCBI - AAA98797.1

**Images**

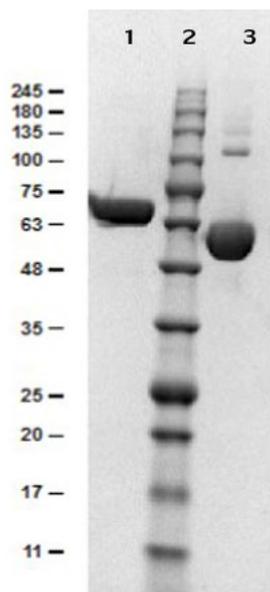
1

SDS PAGE of Human Albumin. Lane 1: Non-Reduced Human Albumin. Lane 2: 5  $\mu$ L Opal Prestained Marker (p/n MB-210-0500). Lane 3: Reduced Human Albumin. Load: 1  $\mu$ g per lane. Predicted/Observed size: Non-Reduced at 63 kDa/Observed at 55 kDa; Reduced at 63 kDa. Non-reduced migrates farther on gel due to native albumin's capacity to bind ions, increasing its charge and, therefore, ability to migrate farther down gel.



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SDS-PAGE results of Human Albumin. Lane 1: reduced human albumin. Lane 2: opal prestained molecular weight ladder (p/n MB-210-0500). Lane 3: non-reduced human albumin. Load: 1  $\mu$ g. 4-20% Lonza SDS-PAGE; Coomassie Stained; BioRad ChemiDoc Imaged.



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.