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HUMAN ALBUMIN (BULK ORDER)

Catalog # ASR3578

Product Information

Description	HUMAN ALBUMIN (BULK ORDER)
Conjugate	Unconjugated
Physical State	Lyophilized
Host Isotype	Albumin
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Human
Reconstitution Volume	2.5 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide

Additional Information

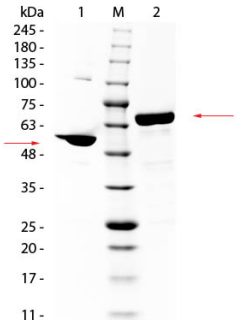
Shipping Condition	Ambient
Purity	This product was prepared from normal serum by a multi-step process which includes delipidation and selective precipitation followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Albumin and anti-Human Serum.
Storage Condition	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.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

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.

Images

SDS PAGE of Human Albumin. Lane 1: Non-Reduced Human Albumin. Lane 2: 5 µL Opal Prestained Marker



(p/n MB-210-0500). Lane 3: Reduced Human Albumin. Load: 1 µg 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.