



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Albumin, Polyclonal Anti-Human Affinity Purified (Alb)
AB CONCENTRATION:	Typically 1mg/ML Or Greater
CAT. NO:	Liquid In Pbs Buffer, Ph 7.3
HOST:	Chicken
IMMUNOGEN:	Human Albumin
PURITY:	Affinity Purified
STORAGE:	2-8 C

Polyclonal Antibody anti-human albumin Specificity: This antibody reacts with purified albumin and only with the albumin of human serum.

Polyclonal Antibody albumin antibody Working Dilution: Western Blots, 1 to 1,000-10,000 and ELISA, coating, 1 to 200-500

Human Serum Albumin (HSA)(ALB)

Human serum albumin (HSA)(ALB) is the most abundant protein in human blood plasma. Human Serum Albumin (HSA)(ALB) is produced in the liver. Human serum Albumin (HSA)(ALB) is the main protein of plasma; Human Serum Albumin binds water, cations (such as Ca²⁺, Na⁺ and K⁺), fatty acids, hormones, bilirubin and drugs

Human Serum Albumin (HSA)(ALB) clinical significance: Chronic liver disease such as cirrhosis causes diminished production of albumin and, subsequently, decreased human serum albumin (HSA)(ALB) levels. Malnutrition, severe diarrhea, fever, infection, and inadequate iron intake can also cause low albumin (hypoalbuminemia) without associated liver disease.

Human Serum Albumin (HSA)(ALB) testing: In the healthy kidney, albumin's size and negative electric charge exclude it from excretion in the glomerulus. In some diseases including diabetic nephropathy, a major complication of uncontrolled diabetes where protein(s) can cross the glomerulus. The lost Human Serum Albumin (HSA)(ALB) can be detected by a simple urine test. Depending on the amount of Human Serum Albumin (HSA)(ALB) lost, a patient may have normal renal function, microalbuminuria, or albuminuria.

Human Serum Albumin (HSA)(ALB) study: Human Albumin binding is a crucial determinant of bilirubin clearance in health and bilirubin toxicity in certain disease states. Affinity of human albumin for bilirubin is not constant, but varies with both human albumin concentration and buffer composition. Ref: . Biol. Chem., Vol. 276, Issue 32, 29953-29960, August 10, 2001