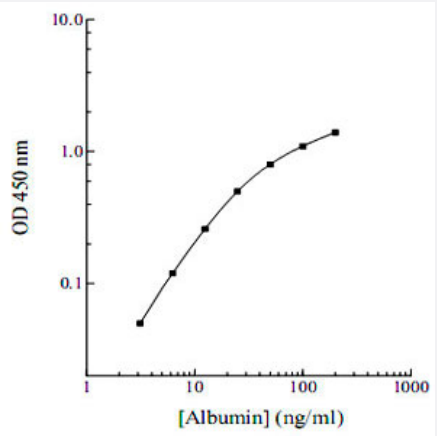
Albumin (Human) ELISA Kit

Catalog # KA0455 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Albumin (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human albumin.
Suitable Sample	Cell Culture Supernatant, Cell Lysate, CSF, Milk, Saliva, Urine
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	3.125 to 200 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

- Quantification

Gene Info — ALB

Entrez GeneID	213
Gene Name	ALB
Gene Alias	DKFZp779N1935, PRO0883, PRO0903, PRO1341
Gene Description	albumin
Omim ID	103600 194470
Gene Ontology	Hyperlink
Gene Summary	Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin. [provided by RefSeq
Other Designations	cell growth inhibiting protein 42|growth-inhibiting protein 20|serum albumin

Publication Reference

- Comprehensive biomarker assessment for predicting severe acute kidney injury and need of kidney replacement therapy in liver transplantation patients.

  Camila Lima, Gillene Santos Ferreira, Maria de Fátima Fernandes Vattimo, Luciana Bertocco de Paiva Haddad, Luiz Marcelo Malbouisson, Luiz Augusto Carneiro D'Albuquerque, Alexandre Toledo Maciel, Etienne Macedo.

  Ren Fail. 2024 Dec;46(2):2402076. doi: 10.1080/0886022X.2024.2402076. Epub 2024 Sep 17. 2024 Dec; 46(2):2402076.

  Application: ELISA, Human, Urine supernatant

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hepatic population derived from human pluripotent stem cells is effectively increased by selective removal of undifferentiated stem cells using YM155.

  Kang SJ, Park YI, Hwang SR, Yi H, Tham N, Ku HO, Song JY, Kang HG.

  Amino Acids 2017 Apr; 8(1):78.

  Application: Quant, Human, HepG2, p-Heps, QIA7-iHep, WA01-iHep cells

- Simulated Respiratory Secretion for Use in the Development of Influenza Diagnostic Assays.

  Bose ME, McCaul KC, Mei H, Sasman A, He J, Kramp W, Shively R, Yan K, Henrickson KJ.

  PLoS One 2016 Nov; 11(11):e0166800.

  Application: Quant, Human, Nasopharyngeal swab specimens from adults and children

- Chemically induced hepatotoxicity in human stem cell-induced hepatocytes compared with primary hepatocytes and HepG2.

  Kang SJ, Lee HM, Park YI, Yi H, Lee H, So B, Song JY, Kang HG.

  Cell Biology and Toxicology 2016 Jun; 32(5):403.

  Application: Quan, Human, WA01-iHeps, QIA7-iHeps, p-Heps, HepG2

- Supporting evidences for potential biomarkers of endometriosis detected in peripheral blood.

  Signorile PG, Baldi A.

  Data in Brief 2015 Nov; 5:971.

  Application: ELISA, Human, Serum

- Hepatic differentiation of human adipose tissue-derived mesenchymal stem cells and adverse effects of arsanilic acid and acetaminophen during in vitro hepatic developmental stage.

  Kwon MJ, Kang SJ, Park YI, Yang YH, Bang SI, Park YH, So B, Cho MH, Kang HG.

  Cell Biology and Toxicology 2015 Jun; 31(3):149.

  Application: Quant, Human, AT-MSCs, HepG2, HLCs cells

- Combined use of N-acetylcysteine and Liberase improves the viability and metabolic function of human hepatocytes isolated from human liver.

  Bartlett DC, Hodson J, Bhogal RH, Youster J, Newsome PN.

  Cytotherapy 2014 Jun; 16(6):800.

  Application: ELISA, Human, Liver extracted

- Comparative Study of the Developed Chemiluminescent, ELISA and SPR Immunoassay Formats for the Highly Sensitive Detection of Human Albumin.

  Sandeep Kumar Vashist,Mayank Saraswat,Harry Holthšfer.

  Procedia Chemistry 2012 Oct; 6:184.

  Application: Quant, Human, Human albumin

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Predictors of plasma zinc concentrations in children with acute diarrhea.

  Strand TA, Adhikari RK, Chandyo RK, Sharma PR, Sommerfelt H.

  The American Journal of Clinical Nutrition 2004 Mar; 79(3):451.

- Effects of growth hormone administration on inflammatory and other cardiovascular risk markers in men with growth hormone deficiency. A randomized, controlled clinical trial.

  Sesmilo G, Biller BM, Llevadot J, Hayden D, Hanson G, Rifai N, Klibanski A.

  Annals of Internal Medicine 2000 Jul; 133(2):111.

- Albumin substitution improves urinary sodium excretion and diuresis in patients with liver cirrhosis and refractory ascites.

  Schindler C, Ramadori G.

  Journal of Hepatology 1999 Dec; 31(6):1132.

  Application: Quant, Human, Human serum

Disease

- Alzheimer disease
- Diabetes Mellitus
- Hepatitis

Copyright © 2023 Abnova Corporation. All Rights Reserved.