

ARG82290 Human Albumin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82290 Human Albumin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Albumin in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not react with other cytokines.
Target Name	Albumin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.16 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.3125 - 20 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	FDAH; PRO0883; PRO1341; Serum albumin; ANALBA; PRO0903

Application Instructions

Assay Time ~ 3 hours

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

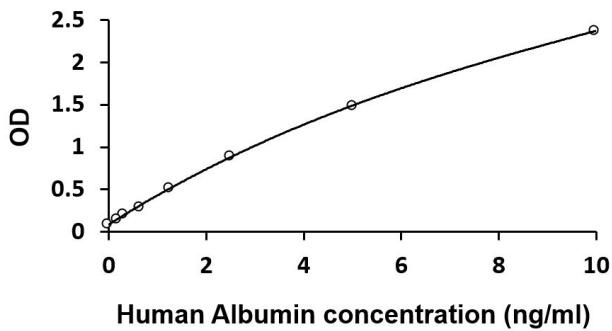
Bioinformation

Gene Symbol	ALB
Gene Full Name	albumin
Background	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, Jul 2008]

Function	Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc. [UniProt]
Highlight	Related products: Albumin antibodies ; Albumin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606. Glycated in diabetic patients. Phosphorylated by FAM20C in the extracellular medium. Acetylated on Lys-223 by acetylsalicylic acid. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG82290 Human Albumin ELISA Kit standard curve image

ARG82290 Human Albumin ELISA Kit results of a typical standard run with optical density reading at 450 nm.