

ARG81126 Rat Albumin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81126 Rat Albumin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Albumin in plasma, serum, urine, tissue extracts and other biological fluids.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	Albumin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	6.25 ng/ml
Sample Type	Plasma, serum, urine, tissue extracts and other biological fluids
Standard Range	6.25 - 400 ng/ml
Sample Volume	100 µl
Alternate Names	Alb1; Albza; Serum albumin; FDAH; ANALBA

Application Instructions

Assay Time	~2 hours
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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

Database links	GeneID: 24186 Rat Swiss-port # P02770 Rat
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 prealbumin 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.