

Rat Albumin (ALB) ELISA Kit | ALB elisa kit

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CATALOG #
AAA138964

REACTIVITY
Rat

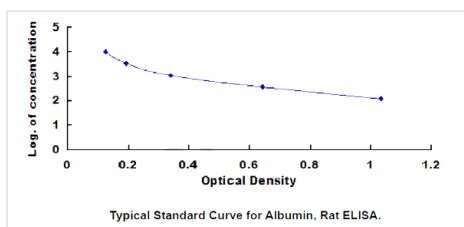
PRODUCT SYNONYMS

Albumin (ALB); Rat Albumin (ALB) ELISA Kit; Serum albumin; ALB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of albumin. No significant cross-reactivity or interference between albumin and analogues was observed.
Sequence Length	396
Assay Type	Quantitative Competitive
Samples	Rat serum, plasma and other biological fluids
Detection Range	123.5-10,000ng/mL
Sensitivity	< 48.3ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level albumin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level albumin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALB elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to albumin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled albumin and unlabeled albumin (Standards or samples) with the pre-coated antibody specific to albumin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of albumin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of albumin in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of albumin in rat serum, plasma and other biological fluids.
Product Categories/Family for ALB elisa kit	Tumor immunity; Infection immunity; Hematology; Hepatology; Nutrition metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	178344
NCBI GeneID	213
UniProt Accession #	P02768; Q95574; P04277; Q13140; Q645G4; Q68DN5; Q6UXK4; Q86YG0; Q8IUK7; Q9P157; Q9P1I7; E7ESS9
Molecular Weight	45,160 Da
NCBI Official Full Name	albumin
NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	FDAH; ANALBA; PRO0883; PRO0903; PRO1341
NCBI Protein Information	serum albumin
UniProt Protein Name	Serum albumin
UniProt Gene Name	ALB
UniProt Entry Name	ALBU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.