

Human Albumin ELISA Kit | ALB elisa kit

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CATALOG #
AAA85398

REACTIVITY
Human

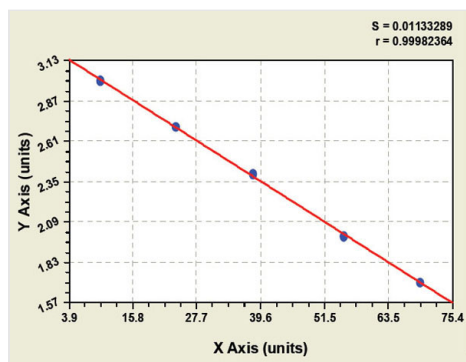
PRODUCT SYNONYMS

Albumin; Human Albumin ELISA Kit; ALB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This ALB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ALB. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALB elisa kit

Principle of the Assay: ALB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALB antibody and an ALB-HRP conjugate. The assay sample and buffer are incubated together with ALB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ALB concentration since ALB from samples and ALB-HRP conjugate compete for the anti-ALB antibody binding site. Since the number of sites is limited, as more sites are occupied by ALB from the sample, fewer sites are left to bind ALB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALB concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37222202
NCBI GeneID	213
Molecular Weight	47,360 Da
NCBI Official Full Name	ALB, partial
NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	FDAH; ANALBA; PRO0883; PRO0903; PRO1341
NCBI Protein Information	serum albumin; albumin (32 AA); albumin (AA 34); growth-inhibiting protein 20; cell growth inhibiting protein 42
UniProt Protein Name	Serum albumin
UniProt Gene Name	ALB
UniProt Synonym Gene Names	GIG20; GIG42; PRO0903; PRO1708; PRO2044; PRO2619; PRO2675; UNQ696/PRO1341
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.

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Online datasheet: <https://www.aaabiotech.com/alb-human-elisa-kits/albumin/85398>