

Dog Albumin ELISA Kit | ALB elisa kit

Dog Albumin ELISA Kit

CATALOG # AAA76902	REACTIVITY Dog
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PRODUCT SYNONYMS

Albumin; Dog Albumin ELISA Kit; Dog Albumin; ALB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Samples	Immunoperoxidase Assay for Determination of Albumin in Dog Samples
Assay Type	Sandwich
Intended Uses	The Albumin test kits are a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring Albumin in biological fluid of Dogs.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for ALB elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the Albumin present in samples reacts with the anti-Albumin antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-Albumin antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound Albumin. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of Albumin in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of Albumin in the test sample. The quantity of Albumin in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: Albumin is an amazing polyfunctional protein contributing to homeostasis through mechanisms of hemodynamics, transport and nutrition. Albumin is found both intra and extracellularly in all mammals and many lower vertebrates. It is a molecule of about 67,000 daltons, synthesized by the liver. Normally only very trace amounts of albumin escape reabsorption by kidney glomeruli and is excreted into the urine. Many occult diseases can cause kidney damage which may result in excessive amounts of serum proteins, including albumin, to be excreted by the kidney and into the urine. This ELISA kit can be used to measure albumin in serum, tissue extracts and other biological fluids.
Product Categories/Family for ALB elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	178344
NCBI GeneID	213
UniProt Accession #	P02768 ; Q95574 ; P04277 ; Q13140 ; Q645G4 ; Q68DN5 ; Q6UXK4 ; Q86YG0 ; Q9P157 ; Q9P1I7 ; Q9UHS3 ; Q9UJZ0 ; Q16167 ; Q56G89 ; Q8IUK7
Molecular Weight	69,367 Da
NCBI Official Full Name	albumin

NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	PRO0883; PRO0903; PRO1341; DKFZp779N1935
NCBI Protein Information	serum albumin; OTTHUMP00000160370; OTTHUMP00000196832; OTTHUMP00000220435; OTTHUMP00000220436; OTTHUMP00000220438; OTTHUMP00000220439; growth-inhibiting protein 20; cell growth inhibiting protein 42
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.

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Online datasheet: <https://www.aaabiotech.com/dog-elisa-kits/albumin/76902>