

Chicken Aminolevulinate Delta Dehydratase ELISA Kit | ALAD elisa kit

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CATALOG #
AAA96578

REACTIVITY
Chicken

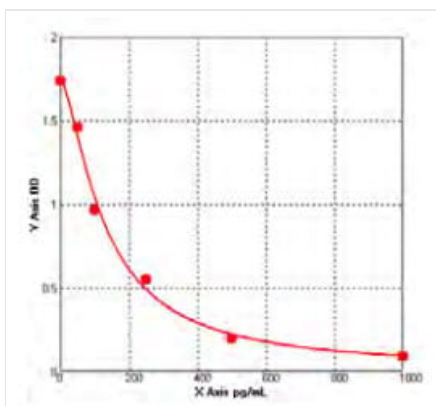
PRODUCT SYNONYMS

Aminolevulinate Delta Dehydratase; Chicken Aminolevulinate Delta Dehydratase ELISA Kit; ALAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of ALAD. No significant cross-reactivity or interference between ALAD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ALAD and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALAD elisa kit	Principle of the Assay: ALAD ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ALAD antibody and an ALAD-HRP conjugate. The assay sample and buffer are incubated together with ALAD-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 ALAD concentration since ALAD from samples and ALAD-HRP conjugate compete for the anti-ALAD antibody binding site. Since the number of sites is limited, as more sites are occupied by ALAD from the sample, fewer sites are left to bind ALAD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALAD concentration in each sample is interpolated from this standard curve. Intended Uses: This ALAD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken ALAD. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ALAD elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	119607786
NCBI GeneID	210
Molecular Weight	39,034 Da
NCBI Official Full Name	aminolevulinate, delta-, dehydratase, isoform CRA_a
NCBI Official Synonym Full Names	aminolevulinate dehydratase
NCBI Official Symbol	ALAD
NCBI Official Synonym Symbols	PBGS; ALADH
NCBI Protein Information	delta-aminolevulinic acid dehydratase; porphobilinogen synthase; aminolevulinate, delta-, dehydratase
UniProt Protein Name	Delta-aminolevulinic acid dehydratase
UniProt Gene Name	ALAD
UniProt Synonym Gene Names	ALADH
UniProt Entry Name	HEM2_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://stage.aaabiotech.com/alad-chicken-elisa-kits/aminolevulinate-delta-dehydratase/96578>