

Aminolevulinate Delta Dehydratase (ALAD) ELISA Kit | ALAD elisa kit

Rat Aminolevulinate Delta Dehydratase (ALAD) ELISA Kit

CATALOG #
AAA185645

REACTIVITY
Rat

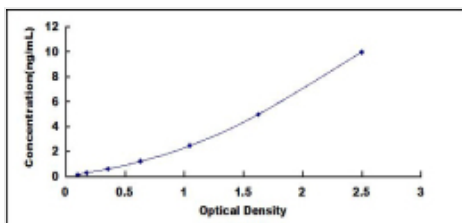
PRODUCT SYNONYMS

Aminolevulinate Delta Dehydratase (ALAD); Rat Aminolevulinate Delta Dehydratase (ALAD) ELISA Kit; ALADH; PBGS; Delta-Aminolevulinic Acid Dehydratase; Porphobilinogen Synthase; ALAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Aminolevulinate Delta Dehydratase (ALAD). No significant cross-reactivity or interference between Aminolevulinate Delta Dehydratase (ALAD) and analogues was observed.
Sequence Length	359
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.066ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Aminolevulinate Delta Dehydratase (ALAD) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Aminolevulinate Delta Dehydratase (ALAD) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 ALAD elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aminolevulinate Delta Dehydratase (ALAD). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Aminolevulinate Delta Dehydratase (ALAD). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Aminolevulinate Delta Dehydratase (ALAD), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Aminolevulinate Delta Dehydratase (ALAD) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119607786
NCBI GeneID	210
UniProt Accession #	P13716; Q16870; Q16871; Q9BVQ9; A8K375; B2R6F2
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
UniProt Protein Name	Delta-aminolevulinic acid dehydratase
UniProt Gene Name	ALAD
UniProt Synonym Gene Names	ALADH

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/rat-elisa-kits/aminolevulinate-delta-dehydratase-alad/185645>