

Aminolevulinate Delta Dehydratase ELISA Kit | Alad elisa kit

Rat Aminolevulinate Delta Dehydratase ELISA Kit

CATALOG #
AAA100108

REACTIVITY
Rat

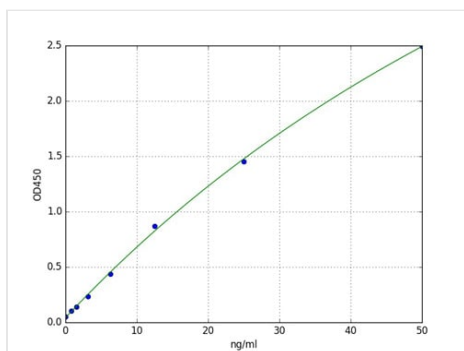
PRODUCT SYNONYMS

Aminolevulinate Delta Dehydratase; Rat Aminolevulinate Delta Dehydratase ELISA Kit; Alad/ALADH/Porphobilinogen synthase; Alad elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	339
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Alad ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.062	0.108	0.138	0.235	0.377	0.874	1.280	2.402

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Alad elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Alad antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Alad antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Alad amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Alad can be calculated.

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
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-rat-elisa-kits/aminolevulinate-delta-dehydratase/100108>