

Aminolevulinate Delta Dehydratase ELISA Kit | ALAD elisa kit

Rat Aminolevulinate Delta Dehydratase ELISA Kit

CATALOG #
AAA94746

REACTIVITY
Rat

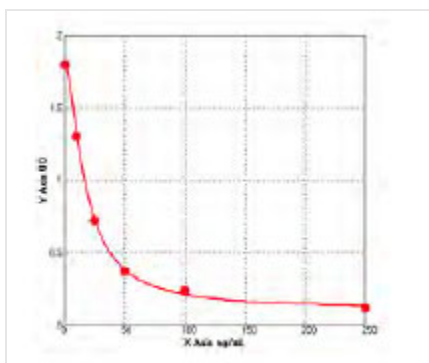
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
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

Intended Uses: This ALAD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ALAD. This ELISA kit for research use only!

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.

Product Categories/Family for ALAD elisa kit

Cardiovascular

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/alad-rat-elisa-kits/aminolevulinate-delta-dehydratase/94746>