

Mouse Dihydrolipoyl Dehydrogenase (DLD) ELISA Kit | DLD elisa kit

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CATALOG #
AAA65297

REACTIVITY
Mouse

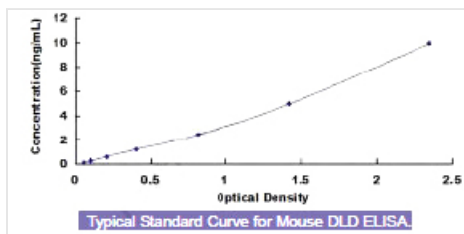
PRODUCT SYNONYMS

Dihydrolipoyl Dehydrogenase (DLD); Mouse Dihydrolipoyl Dehydrogenase (DLD) ELISA Kit; LAD; GCSL; Dihydrolipoamide Dehydrogenase; E3 Component Of Pyruvate Dehydrogenase Complex; 2-Oxo-Glutarate Complex; Branched Chain Keto Acid Dehydrogenase Complex; DLD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DLD. No significant cross-reactivity or interference between DLD and analogues was observed.
Sequence Length	509
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.08ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DLD were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DLD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DLD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DLD in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DLD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DLD. 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 DLD, 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 DLD 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 #	31982856
NCBI GeneID	13382
NCBI Accession #	NP_031887.2
NCBI GenBank Nucleotide #	NM_007861.5
UniProt Accession #	O08749; Q3TG55; Q3U5W5; Q3UWP7; Q99LD3
Molecular Weight	54,272 Da
NCBI Official Full Name	dihydrolipoyl dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	dihydrolipoamide dehydrogenase
NCBI Official Symbol	Dld
NCBI Protein Information	dihydrolipoyl dehydrogenase, mitochondrial
UniProt Protein Name	Dihydrolipoyl dehydrogenase, mitochondrial
UniProt Gene Name	Dld

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/mouse-elisa-kits/dihydrolipoyl-dehydrogenase-dld/65297>