

Rat Dihydrolipoyl dehydrogenase, mitochondrial ELISA Kit | Dld elisa kit

Rat Dihydrolipoyl dehydrogenase, mitochondrial ELISA Kit

CATALOG #
AAA98177

REACTIVITY
Rat

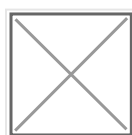
PRODUCT SYNONYMS

Dihydrolipoyl dehydrogenase; mitochondrial; Rat Dihydrolipoyl dehydrogenase; mitochondrial ELISA Kit; Dld/Diaphorase/DLD/DLDD/DLDH/GCSL/LAD/Lipoamide Dehydrogenase/PHE3/2-oxo-glutarate complex; branched chain keto acid dehydrogenase complex)/branched chain keto acid dehydrogenase complex/dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex/dihydrolipoamide dehydrogenasemitochondrial/DLDH/E3/E3 component of pyruvate dehydrogenase complex; 2-oxo-glutarate complex/EC 1.8.1/EC 1.8.1.4/GCSL/Glycine cleavage system L protein/glycine cleavage system protein L/lipoamide dehydrogenase/lipoamide reductase/lipoyl dehydrogenase; Dld elisa kit

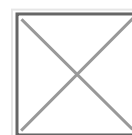
PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	509
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/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)



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Dld elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Dld antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Dld 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 Dld amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Dld can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91199540
NCBI GeneID	1738
NCBI Accession #	NP_000099.2

NCBI GenBank Nucleotide #	NM_000108.4
Molecular Weight	49,283 Da
NCBI Official Full Name	dihydrolipoyl dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	dihydrolipoamide dehydrogenase
NCBI Official Symbol	DLD
NCBI Official Synonym Symbols	E3; LAD; DLDD; DLDH; GCSL; PHE3
NCBI Protein Information	dihydrolipoyl dehydrogenase, mitochondrial
UniProt Protein Name	Dihydrolipoyl dehydrogenase, mitochondrial
UniProt Gene Name	DLD
UniProt Synonym Gene Names	GCSL; LAD; PHE3
UniProt Entry Name	DLDH_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/dld-rat-elisa-kits/dihydrolipoyl-dehydrogenase-mitochondrial/98177>