

Human Dihydrolipoyl dehydrogenase, mitochondrial ELISA Kit | DLD elisa kit

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CATALOG #
AAA194184

REACTIVITY
Human

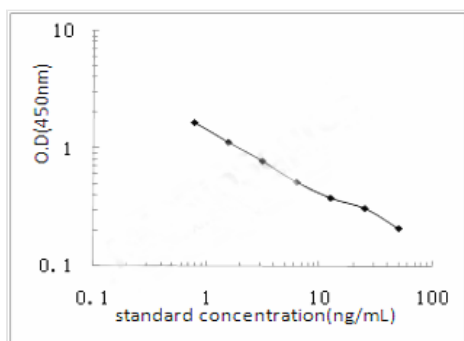
PRODUCT SYNONYMS

Dihydrolipoyl dehydrogenase; mitochondrial; Human Dihydrolipoyl dehydrogenase; mitochondrial ELISA Kit; Dihydrolipoamide dehydrogenase; Glycine cleavage system L protein; DLD; GCSL; LAD; PHE3; 1.8.1.4; DLD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	509
Assay Type	Competitive
Detection Range	0.78-50 ng/mL
Sensitivity	0.45 ng/mL
Intra-Assay CV	<=8.4%
Inter-Assay CV	<=11.1%
Recovery	91%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DLD elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen, During the reaction, target antigen in the sample or standard competes with a fixed amount of biotin-labeled target antigen for sites on a pre-coated antibody specific to target antigen. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen 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 #	91199540
NCBI GeneID	1738
NCBI Accession #	NP_000099.2
NCBI GenBank Nucleotide #	NM_000108.4
UniProt Accession #	P09622; Q14131; Q14167; Q59EV8; Q8WTS4; B2R5X0; B4DHG0; B4DT69
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.