

Mouse lactate dehydrogenase D ELISA Kit | LDHD elisa kit

Mouse D-Lactate Dehydrogenase, D-LDH ELISA Kit

CATALOG #
AAA79512

REACTIVITY
Mouse

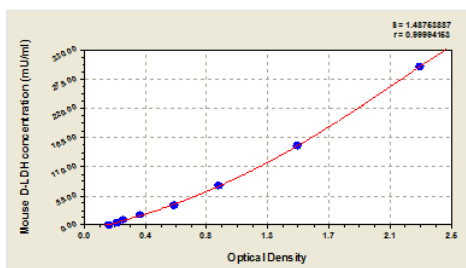
PRODUCT SYNONYMS

lactate dehydrogenase D; Mouse D-Lactate Dehydrogenase; D-LDH ELISA Kit; MGC57726; D-lactate dehydrogenase; LDHD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse LDHD. No significant cross-reactivity or interference between Mouse LDHD and analogues was observed.
Sequence Length	484
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	4.69 mU/ml-300 mU/ml
Sensitivity	1.17 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDHD elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for D-LDH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any D-LDH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for D-LDH is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of D-LDH bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34328379
NCBI GeneID	52815
NCBI Accession #	NP_081846.3
NCBI GenBank Nucleotide #	NM_027570.3
UniProt Accession #	Q7TNG8; Q8BYU7; Q8CIV4
Molecular Weight	51,848 Da
NCBI Official Full Name	probable D-lactate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	lactate dehydrogenase D
NCBI Official Symbol	Ldhd
NCBI Official Synonym Symbols	D8Bwg1320e; 4733401P21Rik
NCBI Protein Information	probable D-lactate dehydrogenase, mitochondrial; DLD
UniProt Protein Name	Probable D-lactate dehydrogenase, mitochondrial
UniProt Gene Name	Ldhd
UniProt Synonym Gene Names	DLD; Lactate dehydrogenase D
UniProt Entry Name	LDHD_MOUSE

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/ldhd-mouse-elisa-kits/lactate-dehydrogenase-d/79512>