

# Mouse D-Lactate Dehydrogenase (D-LDH) ELISA Kit

Catalog No: #EK10133



Package Size: #EK10133-1 48T #EK10133-2 96T

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## Description

Product Name	Mouse D-Lactate Dehydrogenase (D-LDH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	MGC57726; D-lactate dehydrogenase
Accession No.	Q7TNG8
Uniprot	Q7TNG8
GeneID	52815;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:4.69-300 mU/mL

Sensitivity:1.17 mU/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LDHD in samples. An antibody specific for LDHD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLDHD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LDHD is added to the wells. After washing, Streptavidin 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 LDHD bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**This protein belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.

Note: This product is for in vitro research use only