

Mouse Lactate Dehydrogenase B (LDHB) ELISA Kit | LDHB elisa kit

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CATALOG #
AAA66234

REACTIVITY
Mouse

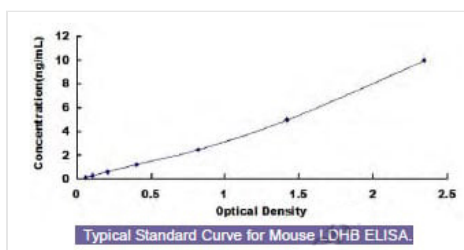
PRODUCT SYNONYMS

Lactate Dehydrogenase B (LDHB); Mouse Lactate Dehydrogenase B (LDHB) ELISA Kit; LDH-B; LDH-H; Renal carcinoma antigen NY-REN-46; LDHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LDHB. No significant cross-reactivity or interference between LDHB and analogues was observed.
Sequence Length	259
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LDHB 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 LDHB 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 LDHB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LDHB in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LDHB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LDHB. 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 LDHB, 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 LDHB 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 #	718551069
NCBI GeneID	16832
NCBI Accession #	NP_001289694.1
NCBI GenBank Nucleotide #	NM_001302765.1
UniProt Accession #	P16125; Q545Y4
Molecular Weight	36,572 Da
NCBI Official Full Name	L-lactate dehydrogenase B chain isoform 2
NCBI Official Synonym Full Names	lactate dehydrogenase B
NCBI Official Symbol	Ldhb
NCBI Official Synonym Symbols	Ldh2; H-Ldh; LDH-B; LDH-H; Ldh-2; AI790582
NCBI Protein Information	L-lactate dehydrogenase B chain
UniProt Protein Name	L-lactate dehydrogenase B chain
UniProt Gene Name	Ldhb
UniProt Synonym Gene Names	Ldh-2; Ldh2; LDH-B; LDH-H

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.