

Mouse Lactate Dehydrogenase A (LDHA) ELISA Kit | LDHA elisa kit

Mouse Lactate Dehydrogenase A (LDHA)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152434

REACTIVITY
Mouse

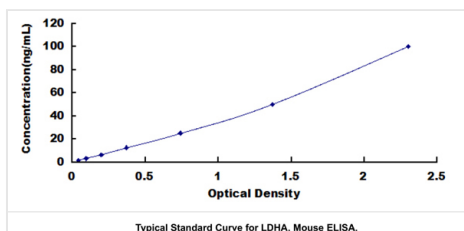
PRODUCT SYNONYMS

Lactate Dehydrogenase A (LDHA); Mouse Lactate Dehydrogenase A (LDHA)(Sandwich ELISA) ELISA Kit; ELISA Kit for Lactate Dehydrogenase A (LDHA); LDH-A; LDH-M; LDH1; PIG19; Cell proliferation-inducing gene 19 protein; LDH muscle subunit; Renal carcinoma antigen NY-REN-59; LDHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LDHA. No significant cross-reactivity or interference between LDHA and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LDHA 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 LDHA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDHA elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LDHA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LDHA. 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 LDHA, 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 LDHA in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LDHA in mouse serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754524
NCBI GeneID	16828
NCBI Accession #	NP_034829.1
NCBI GenBank Nucleotide #	NM_010699.2
UniProt Accession #	P06151
Molecular Weight	36,499 Da
NCBI Official Full Name	L-lactate dehydrogenase A chain isoform 1
NCBI Official Synonym Full Names	lactate dehydrogenase A
NCBI Official Symbol	Ldha
NCBI Official Synonym Symbols	Ldh1; Ldhm; l7R2
NCBI Protein Information	L-lactate dehydrogenase A chain
UniProt Protein Name	L-lactate dehydrogenase A chain
UniProt Gene Name	Ldha
UniProt Synonym Gene Names	Ldh-1; Ldh1; LDH-A; LDH-M

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/mouse-elisa-kits/lactate-dehydrogenase-a-ldha/152434>