

Rat lactate dehydrogenase A ELISA Kit | LDHA elisa kit

Rat L-Lactate Dehydrogenase, L-LDH ELISA Kit

CATALOG #
AAA80535

REACTIVITY
Rat

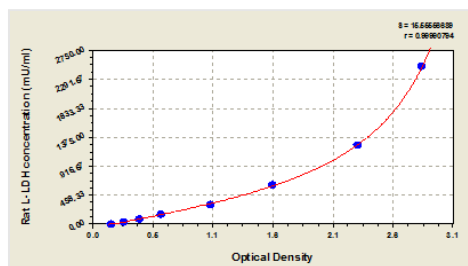
PRODUCT SYNONYMS

lactate dehydrogenase A; Rat L-Lactate Dehydrogenase; L-LDH ELISA Kit; GSD11; LDH1; LDHM; PIG19; LDH muscle subunit; lactate dehydrogenase M; proliferation-inducing gene 19; renal carcinoma antigen NY-REN-59; LDHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat LDHA. No significant cross-reactivity or interference between Rat LDHA and analogues was observed.
Sequence Length	332
Samples	Serum, plasma, tissue homogenates
Detection Range	39 mU/ml-2500 mU/ml
Sensitivity	9.7 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
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	glyconeogenesis and glycometabolism
Protein Biological Process 3	Glycolysis
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 LDHA elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to L-LDH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for L-LDH and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain L-LDH, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 L-LDH 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 #	126722813
NCBI GeneID	100009107
NCBI Accession #	NP_001075746.1
NCBI GenBank Nucleotide #	NM_001082277.1
UniProt Accession #	P13491
Molecular Weight	36,565 Da
NCBI Official Full Name	L-lactate dehydrogenase A chain
NCBI Official Symbol	LDHA
NCBI Official Synonym Symbols	LDH-M
NCBI Protein Information	L-lactate dehydrogenase A chain; LDH-A; LDH muscle subunit; lactate dehydrogenase-M
UniProt Protein Name	L-lactate dehydrogenase A chain
UniProt Gene Name	LDHA
UniProt Synonym Gene Names	LDH-A; LDH-M
UniProt Entry Name	LDHA_RABIT

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.