

Rat Lactate Dehydrogenase L ELISA Kit | L-LDH elisa kit

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CATALOG #
AAA84506

REACTIVITY
Rat

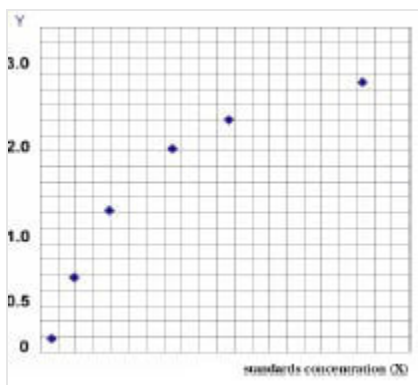
PRODUCT SYNONYMS

Lactate Dehydrogenase L; Rat Lactate Dehydrogenase L ELISA Kit; L-LDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for L-LDH elisa kit

Intended Uses: This L-LDH ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of L-LDH in the sample, this L-LDH ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus L-LDH concentration. The concentration of L-LDH in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This L-LDH enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for L-LDH. Standards or samples are then added to the microtiter plate wells and L-LDH if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of L-LDH present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for L-LDH are added to each well to "sandwich" the L-LDH immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain L-LDH and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325957273
NCBI GeneID	10275924
NCBI Accession #	YP_004292685.1
NCBI GenBank Nucleotide #	NC_015214.1
Molecular Weight	33,587 Da
NCBI Official Full Name	L-IldH
NCBI Official Symbol	LAC30SC_08225
NCBI Protein Information	L-IldH
UniProt Protein Name	L-IldH
UniProt Entry Name	F0TGA2_LACA3

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/l-ldh-rat-elisa-kits/lactate-dehydrogenase-l/84506>