

Human D Lactate Dehydrogenase ELISA Kit | D LDH elisa kit

Human D Lactate Dehydrogenase ELISA Kit

CATALOG #
AAA85395

REACTIVITY
Human

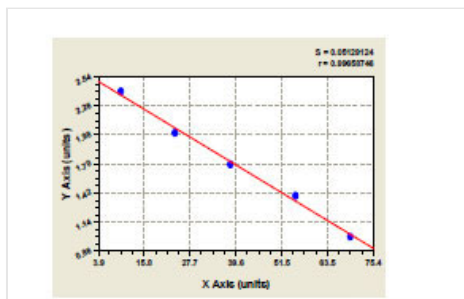
PRODUCT SYNONYMS

D Lactate Dehydrogenase; Human D Lactate Dehydrogenase ELISA Kit; D LDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for D LDH elisa kit

Intended Uses: This D-LDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human D-LDH. This ELISA kit for research use only!

Principle of the Assay: D-LDH ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-D-LDH antibody and an D-LDH-HRP conjugate. The assay sample and buffer are incubated together with D-LDH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the D-LDH concentration since D-LDH from samples and D-LDH-HRP conjugate compete for the anti-D-LDH antibody binding site. Since the number of sites is limited, as more sites are occupied by D-LDH from the sample, fewer sites are left to bind D-LDH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The D-LDH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115502412
NCBI GeneID	4085369
Molecular Weight	37,049 Da
NCBI Official Full Name	D-lactate dehydrogenase
NCBI Official Symbol	IdhA
NCBI Protein Information	D-lactate dehydrogenase
UniProt Protein Name	D-lactate dehydrogenase
UniProt Gene Name	IdhA
UniProt Synonym Gene Names	Ldb0101; D-LDH
UniProt Entry Name	LDHD_LACDA

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/d-ldh-human-elisa-kits/d-lactate-dehydrogenase/85395>