

Chicken D-Lactate Dehydrogenase ELISA Kit | D-LDH elisa kit

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CATALOG #
AAA94805

REACTIVITY
Chicken

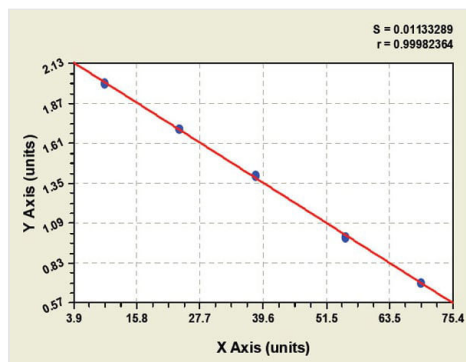
PRODUCT SYNONYMS

D-Lactate Dehydrogenase; Chicken D-Lactate Dehydrogenase ELISA Kit; D-LDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This D-LDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken D-LDH. This ELISA kit for research use only, not for therapeutic applications
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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

Principle of the Assay: D-LDH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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 #	81693714
NCBI GeneID	3238242
Molecular Weight	36,682 Da
NCBI Official Full Name	D-lactate dehydrogenase
NCBI Official Symbol	SACOL2535
NCBI Protein Information	D-lactate dehydrogenase
UniProt Protein Name	D-lactate dehydrogenase
UniProt Gene Name	ldhD
UniProt Synonym Gene Names	ddh; SACOL2535; D-LDH
UniProt Entry Name	LDHD_STAAC

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/d-ldh-chicken-elisa-kits/d-lactate-dehydrogenase/94805>