

Human Lactate Dehydrogenase ELISA Kit | LDH elisa kit

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CATALOG #
AAA84459

REACTIVITY
Human

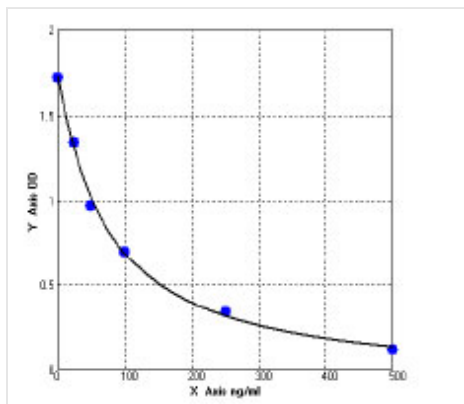
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LDH. No significant cross-reactivity or interference between LDH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LDH and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDH elisa kit	Intended Uses: This LDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LDH. This ELISA kit for research use only! Principle of the Assay: LDH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LDH antibody and an LDH-HRP conjugate. The assay sample and buffer are incubated together with 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 LDH concentration since LDH from samples and LDH-HRP conjugate compete for the anti-LDH antibody binding site. Since the number of sites is limited, as more sites are occupied by LDH from the sample, fewer sites are left to bind LDH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LDH concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	149650
Molecular Weight	34,192 Da
NCBI Official Full Name	ldh, partial
UniProt Protein Name	L-lactate dehydrogenase 1
UniProt Gene Name	ldh1
UniProt Synonym Gene Names	ldh; lmo0210; L-LDH 1
UniProt Entry Name	LDH1_LISMO

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/ldh-human-elisa-kits/lactate-dehydrogenase/84459>