

Human L lactate dehydrogenase A chain (LDHA) ELISA Kit | LDHA elisa kit

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CATALOG #
AAA245029

REACTIVITY
Human

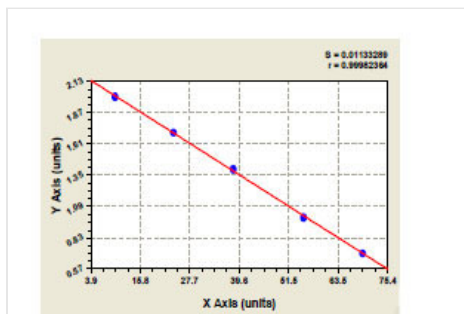
PRODUCT SYNONYMS

L lactate dehydrogenase A chain (LDHA); Human L lactate dehydrogenase A chain (LDHA) ELISA Kit; LDHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500mU/mL
Sensitivity	1.0 mU/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDHA elisa kit

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

Principle of the Assay: LDHA ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-LDHA antibody and an LDHA-HRP conjugate. The assay sample and buffer are incubated together with LDHA-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 LDHA concentration since LDHA from samples and LDHA-HRP conjugate compete for the anti-LDHA antibody binding site. Since the number of sites is limited, as more sites are occupied by LDHA from the sample, fewer sites are left to bind LDHA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LDHA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	260099723
NCBI GeneID	3939
NCBI Accession #	NP_001158886.1
NCBI GenBank Nucleotide #	NM_001165414.1
Molecular Weight	26,712 Da
NCBI Official Full Name	L-lactate dehydrogenase A chain isoform 3
NCBI Official Synonym Full Names	lactate dehydrogenase A
NCBI Official Symbol	LDHA
NCBI Official Synonym Symbols	LDH1; LDHM; GSD11; PIG19; HEL-S-133P
NCBI Protein Information	L-lactate dehydrogenase A chain; LDH-A; LDH-M; LDH muscle subunit; lactate dehydrogenase M; proliferation-inducing gene 19; renal carcinoma antigen NY-REN-59; cell proliferation-inducing gene 19 protein; epididymis secretory sperm binding protein Li 133P
UniProt Protein Name	L-lactate dehydrogenase A chain
UniProt Gene Name	LDHA
UniProt Synonym Gene Names	PIG19; LDH-A; LDH-M
UniProt Entry Name	LDHA_HUMAN

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/human-elisa-kits/l-lactate-dehydrogenase-a-chain-ldha/245029>