

Human Lactate Dehydrogenase A (LDHA) ELISA Kit | LDHA elisa kit

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CATALOG #
AAA331944

REACTIVITY
Human

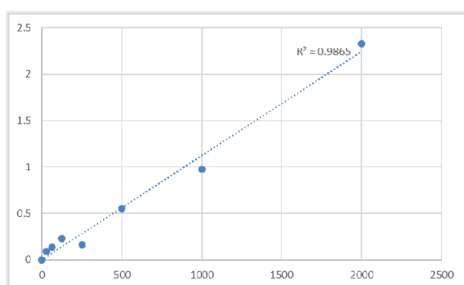
PRODUCT SYNONYMS

Lactate Dehydrogenase A (LDHA); Human Lactate Dehydrogenase A (LDHA) ELISA Kit; LDHA; GSD11; LDH1; LDHM; PIG19; LDH muscle subunit; lactate dehydrogenase M; proliferation-inducing gene 19; renal carcinoma antigen NY-REN-59; LDHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lactate dehydrogenase A (LDHA) ELISA Kit has high sensitivity and excellent specificity for detection of Human LDHA. No significant cross-reactivity or interference between Human LDHA and analogues was observed.
Sequence Length	274
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lactate dehydrogenase A (LDHA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LDHA elisa kit	Description: This Human Lactate dehydrogenase A (LDHA) ELISA Kit employs a two-site sandwich ELISA to quantitate LDHA in samples. An antibody specific for LDHA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LDHA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LDHA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LDHA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: This protein catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	207028494
NCBI GeneID	3939
NCBI Accession #	NP_001128711.1
NCBI GenBank Nucleotide #	NP_001128711.1
UniProt Accession #	P00338
NCBI Official Full Name	L-lactate dehydrogenase A chain isoform 2
NCBI Official Synonym Full Names	lactate dehydrogenase A
NCBI Official Symbol	LDHA
NCBI Official Synonym Symbols	LDHM; GSD11; PIG19; HEL-S-133P
NCBI Protein Information	L-lactate dehydrogenase A chain
UniProt Protein Name	L-lactate dehydrogenase A chain
UniProt Gene Name	LDHA
UniProt Synonym Gene Names	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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lactate-dehydrogenase-a-ldha/331944>