

Rat L-lactate dehydrogenase C chain ELISA Kit | Ldhc elisa kit

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CATALOG #
AAA101071

REACTIVITY
Rat

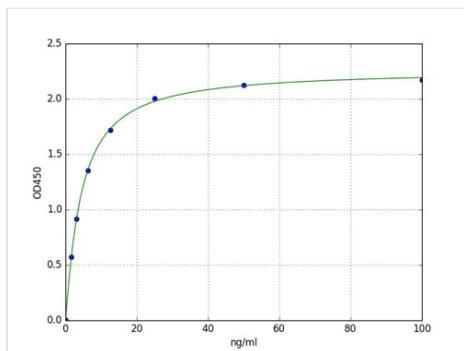
PRODUCT SYNONYMS

L-lactate dehydrogenase C chain; Rat L-lactate dehydrogenase C chain ELISA Kit; Ldhc/LDH-X/Cancer; testis antigen 32 (CT32)/LDH testis subunit; Ldhc elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	332
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Ldhc ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.445	1.035	1.832	1.824	2.335	1.567	1.966

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ldhc elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Ldhc antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Ldhc antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Ldhc amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Ldhc can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

9257228

NCBI GeneID	3948
NCBI Accession #	NP_059144.1
NCBI GenBank Nucleotide #	NM_017448.3
Molecular Weight	36,311 Da
NCBI Official Full Name	L-lactate dehydrogenase C chain
NCBI Official Synonym Full Names	lactate dehydrogenase C
NCBI Official Symbol	LDHC
NCBI Official Synonym Symbols	CT32; LDH3; LDHX
NCBI Protein Information	L-lactate dehydrogenase C chain
UniProt Protein Name	L-lactate dehydrogenase C chain
UniProt Gene Name	LDHC
UniProt Synonym Gene Names	LDH3; LDHX; LDH-C; CT32
UniProt Entry Name	LDHC_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/ldhc-rat-elisa-kits/l-lactate-dehydrogenase-c-chain/101071>