

Canine Lactate Dehydrogenase L ELISA Kit | L-LDH elisa kit

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CATALOG #
AAA95401

REACTIVITY
Canine

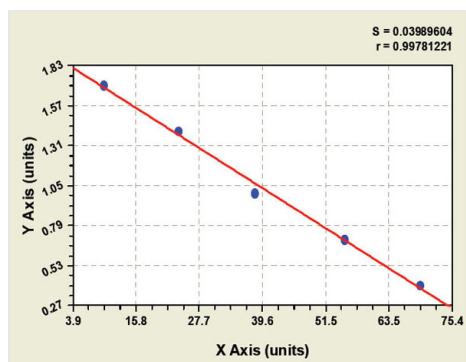
PRODUCT SYNONYMS

Lactate Dehydrogenase L; Canine Lactate Dehydrogenase L ELISA Kit; L-LDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This L-LDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine L-LDH. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for L-LDH elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	325957273
NCBI GeneID	10275924
NCBI Accession #	YP_004292685.1
NCBI GenBank Nucleotide #	NC_015214.1
Molecular Weight	33,587 Da
NCBI Official Full Name	L-IdH
NCBI Official Symbol	LAC30SC_08225
NCBI Protein Information	L-IdH
UniProt Protein Name	L-IdH
UniProt Entry Name	F0TGA2_LACA3

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/l-ldh-canine-elisa-kits/lactate-dehydrogenase-l/95401>