

Human lactate dehydrogenase B ELISA Kit | LDHB elisa kit

Human L-lactate dehydrogenase B chain, LDHB ELISA Kit

CATALOG #
AAA112737

REACTIVITY
Human

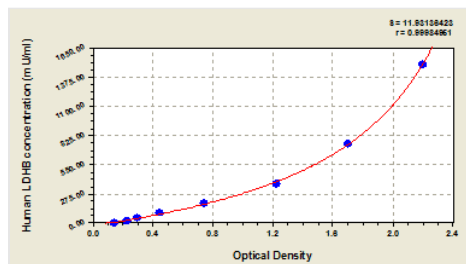
PRODUCT SYNONYMS

lactate dehydrogenase B; Human L-lactate dehydrogenase B chain; LDHB ELISA Kit; Human L-lactate dehydrogenase B chain (LDHB) ELISA kit; LDH-H; TRG-5; L-lactate dehydrogenase B; OTTHUMP00000165229; LDHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human LDHB. No significant cross-reactivity or interference between human LDHB and analogues was observed.
Sequence Length	334
Samples	Serum, plasma, urine, cerebrospinal fluid (CSF), tissue homogenates
Assay Type	Sandwich
Detection Range	23.5 mU/ml-1500 mU/ml.
Sensitivity	The minimum detectable dose of human LDHB is typically less than 5.8 mU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDHB elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for LDHB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LDHB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LDHB is added to the wells. After washing, avidin 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 LDHB bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291575128
NCBI GeneID	3945
NCBI Accession #	NP_001167568.1
NCBI GenBank Nucleotide #	NM_001174097.1
UniProt Accession #	P07195
Molecular Weight	36,638 Da
NCBI Official Full Name	L-lactate dehydrogenase B chain
NCBI Official Synonym Full Names	lactate dehydrogenase B
NCBI Official Symbol	LDHB
NCBI Official Synonym Symbols	LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281
NCBI Protein Information	L-lactate dehydrogenase B chain; LDH heart subunit; lactate dehydrogenase H chain; renal carcinoma antigen NY-REN-46; epididymis secretory protein Li 281
UniProt Protein Name	L-lactate dehydrogenase B chain
UniProt Gene Name	LDHB
UniProt Synonym Gene Names	LDH-B; LDH-H
UniProt Entry Name	LDHB_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/ldhb-human-elisa-kits/lactate-dehydrogenase-b/112737>