



# Human L-lactate dehydrogenase B chain(LDHB) ELISA kit

<b>Product Code</b>	CSB-EL012841HU
<b>Protein Biological Process 2</b>	glyconeogenesis and glycometabolism
<b>Abbreviation</b>	LDHB
<b>Protein Biological Process 1</b>	Biosynthesis/Metabolism
<b>Target Name</b>	lactate dehydrogenase B
<b>Uniprot No.</b>	P07195
<b>Alias</b>	LDH-H, TRG-5, L-lactate dehydrogenase B OTTHUMP00000165229
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Glycolysis
<b>Sample Types</b>	serum, plasma, tissue homogenates, cerebrospinal fluid (CSF), urine.
<b>Detection Range</b>	23.5 mU/mL-1500 mU/mL
<b>Sensitivity</b>	5.8 mU/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Metabolism
<b>Gene Names</b>	LDHB
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human LDHB ELISA Kit was designed for the quantitative measurement of Human LDHB protein in serum, plasma, tissue homogenates, cerebrospinal fluid (CSF), urine.. It is a Sandwich ELISA kit, its detection range is 23.5 mU/mL-1500 mU/mL and the sensitivity is 5.8 mU/mL.
<b>Product Precision</b>	<b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess.



### Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

#### Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human LDHB in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
	Average %	89
1:1	Range %	84-93
	Average %	100
1:2	Range %	97-103
	Average %	87
1:4	Range %	84-90
	Average %	102
1:8	Range %	98-106

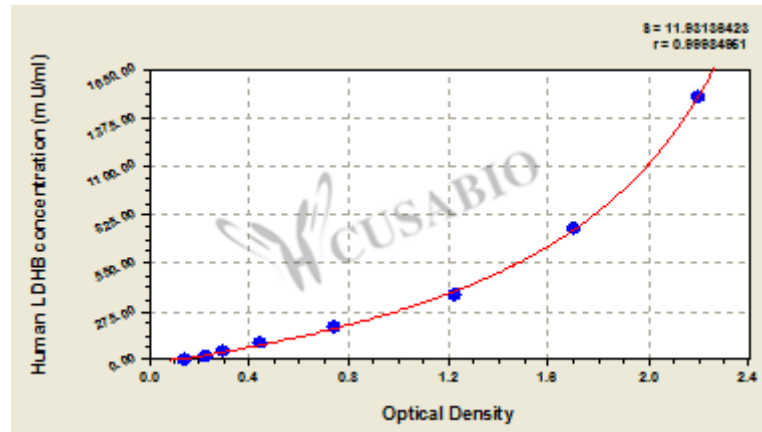
#### Recovery

The recovery of human LDHB spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	103	100-106
EDTA plasma (n=4)	89	85-92

#### Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



mU/ml	OD1	OD2	Average	Corrected
1500	2.184	2.203	2.194	2.038
750	1.706	1.697	1.702	1.546
375	1.215	1.241	1.228	1.072
187.5	0.757	0.738	0.748	0.592
94	0.442	0.468	0.455	0.299
47	0.319	0.298	0.309	0.153
23.5	0.244	0.231	0.238	0.082
0	0.159	0.153	0.156	?

## Msds

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