Recombinant Human LDHB 293 Cell Lysate

Cat. No. LDHB-4788HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for lactate dehydrogenase B (LDHB) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	LDHB lactate dehydrogenase B [Homo sapiens]
Official Symbol	LDHB
Synonyms	LDHB; lactate dehydrogenase B; L-lactate dehydrogenase B chain; LDH heart subunit; lactate dehydrogenase H chain; renal carcinoma antigen NY-REN-46; LDH-B; LDH-H; LDHBD; TRG-5;
Gene ID	3945
mRNA Refseq	NM_001174097
Protein Refseq	NP_001167568
MIM	150100
UniProt ID	P07195
Chromosome Location	12p12.2-p12.1
Pathway	Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; Glycolysis and Gluconeogenesis, organism-specific biosystem; Metabolic pathways,

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	organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	L-lactate dehydrogenase activity; NAD binding; identical protein binding; oxidoreductase activity;

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