

Active Native Human Lactate Dehydrogenase 2

Cat. No. LDH2-220H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified Native Human Erythrocytes Lactate Dehydrogenase 2.
Species	Human
Source	Human Erythrocyte
Description	Studies have shown that LDH-2 may be a useful marker of Bone Marrow Infiltration in non-Hodgkin's Lymphoma.
Form	Ammonium Sulfate Suspension
Bio-activity	>250 U/mL @ 37C
Purity	LDH-2: >95%
Unit Definition	One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at 37C and pH 8.55.
Storage	Store at 2-8°C.
Concentration	>= 1.0 mg/mL

GENE INFORMATION

Gene Name	LDHB lactate dehydrogenase B [Homo sapiens]
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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, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	L-lactate dehydrogenase activity; NAD binding; identical protein binding; oxidoreductase activity;