

Product name:	Lactate Dehydrogenase A Rabbit Monoclonal Antibody
Cat number:	MABN01531
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human Lactate Dehydrogenase Isoenzyme V
Reactivity:	Human,Rat
Applications:	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight:	Calculated MW: 37 kDa; Observed MW: 37 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Lactate dehydrogenase (LDH) catalyzes the interconversion of pyruvate and NADH to lactate and NAD ⁺ . When the oxygen supply is too low for mitochondrial ATP production, this reaction recycles NADH generated in glycolysis to NAD ⁺ , which reenters glycolysis. The major form of LDH found in muscle cells is the A (LDHA) isozyme.