Lactate Dehydrogenase Conjugated Antibody

Catalog No: #C48839

Package Size: #C48839-AF350 100ul #C48839-AF405 100ul #C48839-AF488 100ul #C48839-AF555 100ul #C48839-AF594 100ul #C48839-AF647 100ul #C48839-AF680 100ul #C48839-AF750 100ul #C48839-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Lactate Dehydrogenase Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Cell proliferation-inducing gene 19 protein antibody GSD11 antibody L lactate dehydrogenase B chain antibody L-lactate dehydrogenase A chain antibody Lactate dehydrogenase A antibody Lactate dehydrogenase B antibody Lactate dehydrogenase H chain antibody Lactate dehydrogenase M antibody LDH A antibody LDH B antibody LDH H antibody LDH heart subunit antibody LDH M antibody LDH muscle subunit antibody LDH-A antibody LDH-M antibody LDH1 antibody ldha antibody LDHA_HUMAN antibody LDHBD antibody LDHM antibody MS1111 antibody PIG19 antibody Proliferation inducing gene 19 antibody Renal carcinoma antigen NY REN 46 antibody Renal carcinoma antigen NY-REN-59 antibody TRG 5 antibody TRG5 antibody
Accession No.	Swiss-Prot#:P00338
Uniprot	P00338
GeneID	3939;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	37 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The lactate dehydrogenase family (LDH) catalyzes the final step of anaerobic glycolysis, the conversion of L-lactate and NAD to pyruvate and NADH. The LDH family consists of three members, LDH-A, LDH-B and LDH-C, all of which form tetramers consisting four subunits. However, each family member displays a specific tissue distribution pattern with LDH-A and LDH-B predominant in several tissues, specifically LDH-A in muscle and LDH-B in heart, while LDH-C expression is confined to the testis and sperm. LDHs function as powerful markers for germ cell tumors. The genes encoding human LDH-A and LDH-C map to chromosome 11, while the human LDH-B gene maps to chromosome 12. Deficiency in the LDH-A gene is linked to exertional myoglobinuria.

Note: This product is for in vitro research use only