

Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated
Lactate Dehydrogenase Antibody Biotin Conjugated
Catalog # ASR4115

Specification

**Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated -
Product Information**

Host	Goat
Conjugate	Biotin
Target Species	Rabbit
Reactivity	Rabbit
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Lactate Dehydrogenase Biotin antibody has been tested by ELISA, Western blot, and immunofluorescence. This antibody is assayed against 1.0 µg of Lactate Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Lactate Dehydrogenase [full length protein isolated from rabbit muscle]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

**Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated -
Additional Information**

Gene ID 100009107

Other Names
100009107

Purity

Anti-lactate dehydrogenase antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange

chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified Lactate Dehydrogenase [Rabbit Muscle]. Cross reactivity against Lactate Dehydrogenase from other sources may occur but have not been specifically determined.

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated - Protein Information

Name LDHA

Function

Interconverts simultaneously and stereospecifically pyruvate and lactate with concomitant interconversion of NADH and NAD(+).

Cellular Location

Cytoplasm.

Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated - Images

Anti-LACTATE DEHYDROGENASE (Rabbit Muscle) (GOAT) Antibody Biotin Conjugated - Background

Anti-lactate dehydrogenase recognizes lactate dehydrogenase which catalyzes the interconversion of pyruvate to lactate and NADH to NAD+. This reaction occurs in the absence or lack of oxygen, making lactate dehydrogenase critical for anaerobic respiration. There five known isozymes of LDH, each localized in different types of tissue. In medicine, LDH is often used as a marker of various diseases ranging from hemolysis to encephalitis. Anti-lactate dehydrogenase antibody is ideal for investigators interested in Metabolism, Cancer, and Signal Transduction.