

AP21331BT-N**Polyclonal Antibody to LDH5 M4 Isozyme - Biotin****Alternate names:**

L-Lactic dehydrogenase LDH-5 Isozyme M4

Quantity:

1 ml

Concentration:

10.0 mg/ml

Background:

Lactate dehydrogenase is an enzyme present in a wide variety of organisms, including plants and animals. It catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. Isoforms of the enzyme include LDH 1 (4H) in the heart, LDH 2 (3H1M) in the reticuloendothelial system, LDH 3 (2H2M) in the lungs, LDH 4 (1H3M) in the kidneys and LDH 5 (4M) in the liver and striated muscle. The M and H subunits are encoded by two different genes.

Host / Isotype:

Rabbit / IgG

Immunogen:

L-Lactic dehydrogenase, LDH-5(M4) isoenzyme is isolated and purified from Human placenta.
Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Lyophilized IgG fraction.**Purification:** Ammonium Sulphate Precipitation and Ion Exchange Chromatography.**Buffer System:** PBS, pH 7.2 without preservatives and foreign proteins**Label:** Biotin*Molar Ratio:* Biotin/IgG= ~5.4**Applications:**

This product is intended for use in precipitating and non-precipitating antibody-binding assays such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques (1/1,000-1/8,000).
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition.

Cross-reactivities against enzymes of other sources may occur but have not been determined.

Species: Human.

Other species not tested.

Storage:

Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

If a slight precipitation occurs upon storage, this should be removed by centrifugation.

Shelf life: one year from despatch.