

For Research Use Only

# CoraLite® Plus 647-conjugated LDHA-Specific Polyclonal antibody



Catalog Number: CL647-19987

Featured Product

## Basic Information

<b>Catalog Number:</b> CL647-19987	<b>GenBank Accession Number:</b> NM_005566	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3939	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> lactate dehydrogenase A	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 37 kDa	
	<b>Observed MW:</b> 32-37 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

Lactate dehydrogenase (LDH) is composed of A subunits predominate in skeletal muscle and B subunits are abundantly produced in brain and heart. The LDHA (lactate dehydrogenase A) and COPB1 (coatamer protein complex, subunit beta 1) genes, are involved in energy metabolism and protein transport processes. Both genes might play important roles in muscle development. It has some isoforms with the molecular mass of 27-40 kDa and can form a homotetramer (PMID:11276087). This antibody is specific to LDHA and has no cross reaction to LDHB and LDHC.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

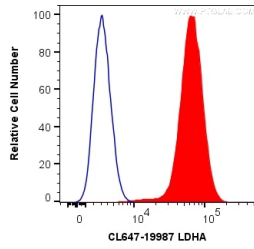
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human LDHA-Specific (CL647-19987) (red), or 0.2 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).