

For Research Use Only

# CoraLite® Plus 647-conjugated LDHB Polyclonal antibody



Catalog Number: CL647-14824

Featured Product

## Basic Information

Catalog Number:

CL647-14824

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6605

GenBank Accession Number:

BC002362

GeneID (NCBI):

3945

UNIPROT ID:

P07195

Full Name:

lactate dehydrogenase B

Calculated MW:

36 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HeLa cells,

## Background Information

LDHB, also named as LDH-H and NY-REN-46, belongs to the LDH/MDH superfamily. And LDH family. It is an enzyme which catalyzes the reversible conversion of pyruvate and NADH to lactate and NAD<sup>+</sup> in the glycolytic pathway (PMID: 26269128). It is glycolytic enzymes and it is positively regulated by mTOR.

## 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

For technical support and original validation data for this product please contact:

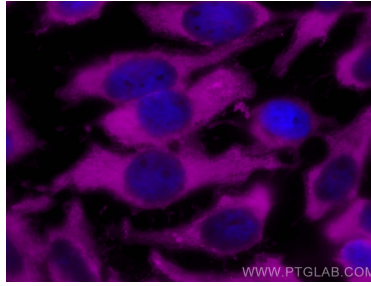
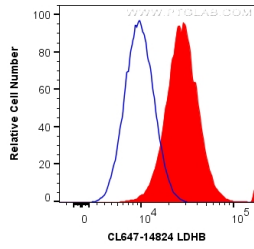
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.2  $\mu$ g CoraLite® Plus 647 Anti-Human LDHB (CL647-14824) (red), or 0.2  $\mu$ g Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 647 LDHB antibody (CL647-14824) at dilution of 1:100.