

For Research Use Only

CoraLite® Plus 647-conjugated PDH E1 Alpha Monoclonal antibody

Catalog Number: CL647-66119

Featured Product



Basic Information

Catalog Number:

CL647-66119

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG12556

GenBank Accession Number:

BC002406

GeneID (NCBI):

5160

UNIPROT ID:

P08559

Full Name:

pyruvate dehydrogenase (lipoamide) alpha 1

Calculated MW:

43 kDa

Observed MW:

39-48 kDa

Purification Method:

Protein A purification

CloneNo.:

2B3C10

Recommended Dilutions:

FC (Intra): 0.4 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

FC (Intra) : HEK-293 cells,

Background Information

PDHA1(Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial) is also named as PHE1A.It is one of the 3 enzymes of the pyruvate dehydrogenase complex which is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA(PMID:7853374).It has 4 isoforms produced by alternative splicing.Defects in PDHA1 are a cause of pyruvate dehydrogenase E1-alpha deficiency (PDHAD) and X-linked Leigh syndrome (X-LS).

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

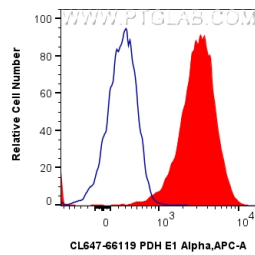
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated PDH E1 Alpha Monoclonal antibody (CL647-66119, Clone:2B3C10)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).