

For Research Use Only

CoraLite® Plus 488-conjugated MECR Recombinant monoclonal antibody

Catalog Number: CL488-84729-4



Basic Information

Catalog Number:

CL488-84729-4

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0465

GenBank Accession Number:

BC003864

GeneID (NCBI):

26922

UNIPROT ID:

Q9DCS3

Full Name:

mitochondrial trans-2-enoyl-CoA
reductase

Calculated MW:

40 kDa

Observed MW:

37-40 kDa

Purification Method:

Protein A purification

CloneNo.:

242151C5

Recommended Dilutions:

IF/ICC: 1:300-1:1200

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : C2C12 cells,

Background Information

Mitochondrial 2-enoyl-acyl-carrier protein reductase (MECR) is an enzyme in the mitochondrial fatty acid synthase (mtFAS) pathway. MECR is involved in the synthesis of lipoic acid and is required for mitochondrial respiratory competence. MECR is highly expressed in skeletal and heart muscles and exhibits lower expression in placenta, liver, kidney, and pancreas. It is weakly expressed or not expressed in the lung (PMID: 32440681, PMID: 37734847, PMID: 38296034).

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

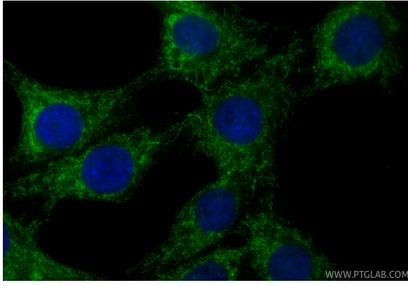
For technical support and original validation data for this product please contact:

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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



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using Coralite® Plus 488 MECR antibody (CL488-84729-4, Clone: 242151C5) at dilution of 1:600.