

For Research Use Only

# CoraLite® Plus 488-conjugated MECR Recombinant monoclonal antibody

Catalog Number: CL488-84729-4



## Basic Information

**Catalog Number:**

CL488-84729-4

**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:

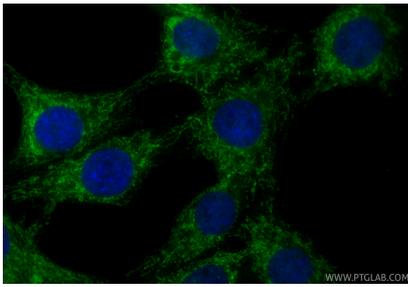
T: 4006900926

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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



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