

# CoraLite® Plus 488-conjugated PGC1α Monoclonal antibody

Catalog Number: CL488-66369

Featured Product

## Basic Information

**Catalog Number:**

CL488-66369

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**GenBank Accession Number:**

NM\_013261

**GeneID (NCBI):**

10891

**UNIPROT ID:**

Q9UBK2

**Full Name:**peroxisome proliferator-activated  
receptor gamma, coactivator 1 alpha**Calculated MW:**

91 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1C1B2

**Recommended Dilutions:**

IF 1:200-1:800

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

FC (Intra), IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF : HeLa cells,

## Background Information

PPARGC1A, also named as Peroxisome proliferator-activated receptor gamma coactivator 1-alpha, is a 798 amino acid protein, which contains 1 RRM (RNA recognition motif) domain and localizes in the nucleus. PPARGC1A is transcriptional coactivator for steroid receptors and nuclear receptors. PPARGC1A can regulate key mitochondrial genes that contribute to the program of adaptive thermogenesis and plays an essential role in metabolic reprogramming in response to dietary availability through coordination of the expression of a wide array of genes involved in glucose and fatty acid metabolism. PPARGC1A exists as isoforms in the liver and the molecular weight of it is 77 kDa. Except for a deletion of 127 amino acids at the N terminus, the protein, termed L-PGC-1 $\alpha$ , is identical to PGC-1.

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

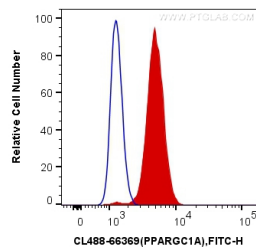
For technical support and original validation data for this product please contact:

T: 4006900926

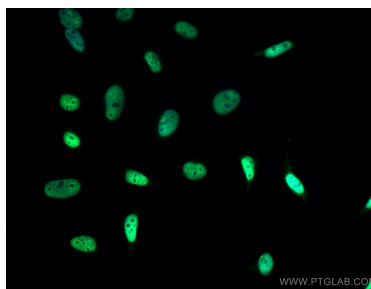
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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human PGC1a (CL488-66369, Clone:1C1B2) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 PGC1a antibody (CL488-66369, Clone: 1C1B2 ) at dilution of 1:400.