

For Research Use Only

# CoraLite® Plus 488-conjugated MCT4 Polyclonal antibody



Catalog Number: CL488-22787

Featured Product

## Basic Information

Catalog Number:

CL488-22787

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18788

GenBank Accession Number:

BC112269

GeneID (NCBI):

9123

UNIPROT ID:

O15427

Full Name:

solute carrier family 16, member 3  
(monocarboxylic acid transporter 4)

Calculated MW:

465 aa, 49 kDa

Observed MW:

38-42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:300-1:1200

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, rat

Positive Controls:

IF : HepG2 cells,

## Background Information

The monocarboxylate transporter 4 (MCT4, also known as SLC16A3) is involved in the transportation of metabolically important monocarboxylates such as lactate, pyruvate, acetate and ketone bodies. It is widely expressed, particularly strongly in glycolytic tissues such as white skeletal muscle fibres, astrocytes, white blood cells, chondrocytes and some mammalian cell lines. MCT4 is also linked to tumor biology because it mediates lactate transport across membranes resulting in antiapoptotic effects.

## 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:

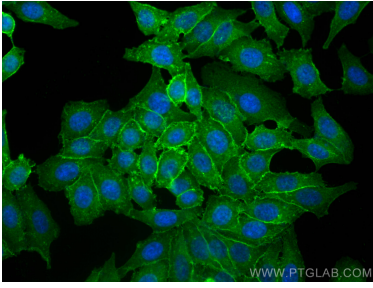
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

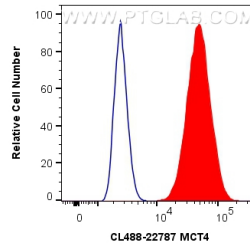
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 MCT4 antibody (CL488-22787) at dilution of 1:600.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human MCT4 (CL488-22787) (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).