

For Research Use Only

# CoraLite® Plus 488-conjugated MCT1 Polyclonal antibody

Catalog Number: CL488-20139

Featured Product



## Basic Information

Catalog Number:

CL488-20139

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14098

GenBank Accession Number:

BC026317

GeneID (NCBI):

6566

UNIPROT ID:

P53985

Full Name:

solute carrier family 16, member 1 (monocarboxylic acid transporter 1)

Calculated MW:

500 aa, 54 kDa

Observed MW:

38-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

MCT1, the SLC16A1 gene product, is a trans-membrane symporter involved in lactate and pyruvate transportation. It plays an important role in lactic acid transport and H<sup>+</sup> clearance in cancer cells. MCT overexpression had been observed in various cancers and may play an important role in tumorigenesis. Two isoforms of MCT1 exist due to the alternative splicing, with predicted MW of 54 kDa and 46 kDa, respectively. While western blot analysis detected MCT1 at an apparent molecular mass of 40-50 kDa.

## 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

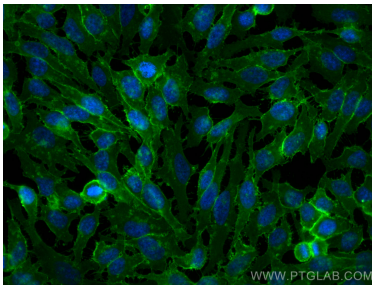
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 MCT1 antibody (CL488-20139) at dilution of 1:200.