

For Research Use Only

CoraLite® Plus 488-conjugated LMCD1 Monoclonal antibody



Catalog Number: **CL488-67834**

Basic Information

Catalog Number:

CL488-67834

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28331

GenBank Accession Number:

BC000646

GeneID (NCBI):

29995

UNIPROT ID:

Q9NZU5

Full Name:

LIM and cysteine-rich domains 1

Calculated MW:

41 kDa

Observed MW:

~40 kDa

Purification Method:

Protein G purification

CloneNo.:

2A7B3

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

Human

Positive Controls:

IF : MCF-7 cells,

Background Information

LIM and cysteine-rich domains-1 (LMCD1) is a member of the LIM protein family, which contains an N-terminal cysteine-rich region, two C-terminal LIM domains and a central PET (Prickle, Espinas, and Testin) domain. LMCD1 has been reported in cardiac tissues and lung acting as a transcriptional repressor for GATA6. The mutations of LMCD1 promote cell migration and tumor metastasis in hepatocellular carcinoma. (PMID: 31501411) It has calculated molecular weight around 41kDa.

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:

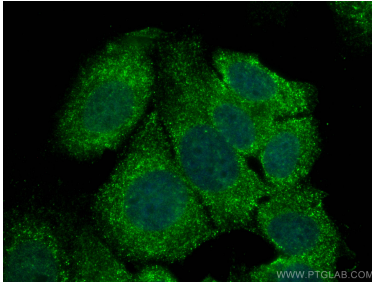
T: 4006900926

E: Proteintech-CN@ptglab.com

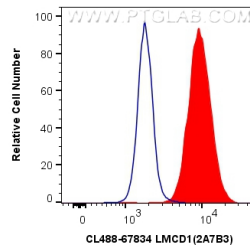
W: ptgcn.com

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 MCF-7 cells using CoraLite® Plus 488 LMCD1 antibody (CL488-67834, Clone: 2A7B3) at dilution of 1:200.



1X10⁶ MCF-7 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human LMCD1 (CL488-67834, Clone:2A7B3) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).