

For Research Use Only

# CoraLite® Plus 488-conjugated LMCD1 Monoclonal antibody



Catalog Number: **CL488-67834**

## Basic Information

<b>Catalog Number:</b> CL488-67834	<b>GenBank Accession Number:</b> BC000646	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 29995	<b>CloneNo.:</b> 2A7B3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NZU5	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> LIM and cysteine-rich domains 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG28331	<b>Calculated MW:</b> 41 kDa	
	<b>Observed MW:</b> ~40 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : MCF-7 cells,
<b>Species Specificity:</b> human	

## 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:

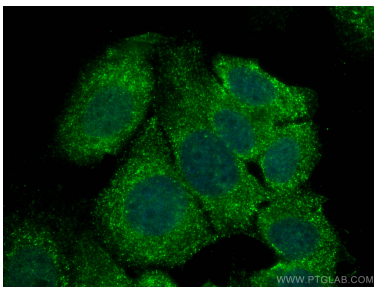
T: 4006900926

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

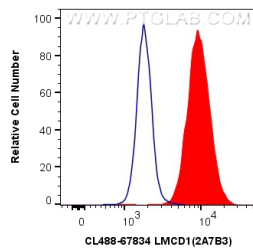
W: [ptgcn.com](http://ptgcn.com)

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## 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.



1X10<sup>6</sup> 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).