

For Research Use Only

# CoraLite® Plus 488-conjugated MICAL1 Monoclonal antibody



Catalog Number: CL488-68297

## Basic Information

<b>Catalog Number:</b> CL488-68297	<b>GenBank Accession Number:</b> BC052983	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 64780	<b>CloneNo.:</b> 3F5D4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TDZ2	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> microtubule associated monooxygenase, calponin and LIM domain containing 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG6578	<b>Calculated MW:</b> 118 kDa	
	<b>Observed MW:</b> 120 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

MICALs (Molecules Interacting with CasL) are atypical multidomain flavoenzymes with diverse cellular functions. There are three known isoforms, MICAL1, MICAL2 and MICAL3, as well as the MICAL-like proteins MICAL-L1 and MICAL-L2. MICAL1 has four conserved domains: an N-terminal flavin adenine dinucleotide (FAD) binding domain, a calponin homology (CH) domain, a Lin11, Isl-1 and Mec-3 (LIM) domain and a C-terminal coiled-coil (CC) domain. MICAL1 is reported to regulate actin stress fibers and be required for normal actin organization. It may also be involved in apoptosis through binding with NDR (nuclear Dbf2-related) kinases. This antibody specially recognizes MICAL1.

## 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:

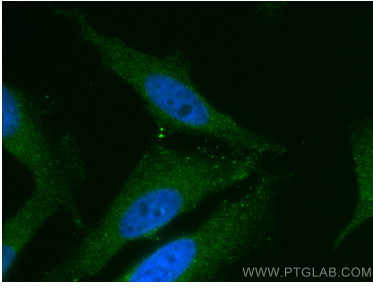
T: 4006900926

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

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

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 HeLa cells using Coralite® Plus 488 MICAL1 antibody (CL488-68297, Clone: 3F5D4) at dilution of 1:200.