

For Research Use Only

# CoraLite® Plus 488-conjugated MAD2L2 Monoclonal antibody

Catalog Number: CL488-67100



## Basic Information

<b>Catalog Number:</b> CL488-67100	<b>GenBank Accession Number:</b> BC015244	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10459	<b>CloneNo.:</b> 2A4C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UI95	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG2b	<b>Full Name:</b> MAD2 mitotic arrest deficient-like 2 (yeast)	
<b>Immunogen Catalog Number:</b> AG28233	<b>Calculated MW:</b> 211 aa, 24 kDa	
	<b>Observed MW:</b> 24 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## Background Information

MAD family, together with BUB and Mps1,Cdc20k, play roles in the mitotic spindle checkpoint. MAD2L2 is one of the MAD family. It can mediate the second polymerase switching in translation DNA synthesis by mediating the interaction between the error-prone DNA polymerase zeta catalytic subunit REV3L and the inserter polymerase REV1. Through regulation of the JNK-mediate phosphorylation and activation of the transcriptional activator ELK1, MAD2L2 involves in cellular response to DNA damage. Also it has role in the progression of cell cycle and peithelial-mesenchymal transdifferentiation.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

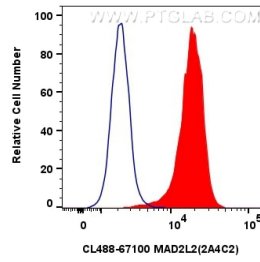
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

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

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## Selected Validation Data



1x10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated MAD2L2 Monoclonal antibody (CL488-67100, Clone:2A4C2) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG2b Isotype Control (MPC-11) (CL488-65128, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).