

For Research Use Only

# CoraLite®594-conjugated MAP2 Monoclonal antibody

Catalog Number:CL594-67015



## Basic Information

<b>Catalog Number:</b> CL594-67015	<b>GenBank Accession Number:</b> BC038857	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4133	<b>CloneNo.:</b> 1C3E6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P11137	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> microtubule-associated protein 2	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG11349	<b>Calculated MW:</b> 200 kDa	

## Applications

<b>Tested Applications:</b> IF-P, FC (Intra)	<b>Positive Controls:</b> IF-P : rat brain tissue,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

MAP2 (microtubule-associated protein 2) is a cytoskeleton protein abundant in brain and has important role in neuronal morphogenesis. Multiple high molecular weight (MW) and low molecular weight (MW) MAP2 isoforms are expressed within axons, dendrites, and cell bodies. The expression of MAP2 is regulated in both a tissue- and developmentally specific manner. MAP2 antibodies have been widely used to mark the neuron or dendrite formation.

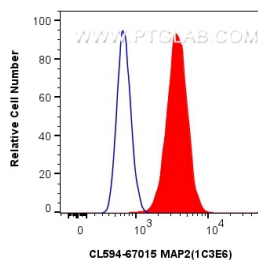
## Storage

**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

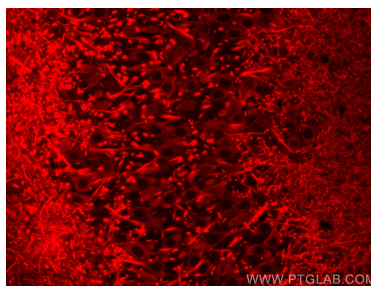
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



1X10<sup>6</sup> Neuro-2a cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human MAP2 (CL594-67015, Clone:1C3E6) (red), or 0.2 ug CoraLite®594 Mouse IgG2b Isotype Control (MPC-11) (CL594-65128, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite®594 MAP2 antibody (CL594-67015, Clone: 1C3E6) at dilution of 1:200.