

# CoraLite®594-conjugated PICALM Monoclonal antibody

Catalog Number: **CL594-67564**

## Basic Information

<b>Catalog Number:</b> CL594-67564	<b>GenBank Accession Number:</b> BC064357	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 8301	<b>CloneNo.:</b> 1F6G7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13492	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> phosphatidylinositol binding clathrin assembly protein	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG29512	<b>Calculated MW:</b> 71 kDa	
	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human, mouse, rat	

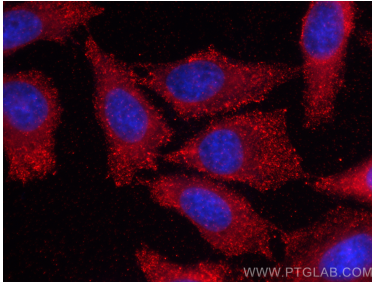
## Background Information

PICALM (Phosphatidyl Inositol Clathrin Assembly Lymphoid Myeloid protein) is a ubiquitously expressed protein that plays a role in clathrin-mediated endocytosis. PICALM also affects the internalization and trafficking of SNAREs and modulates macroautophagy. PICALM is a highly validated genetic risk factor for Alzheimer's disease (AD). The long isoform of human PICALM has 22 exons (encoding PICALML), while the short isoform lacks exon 14 (encoding PICALMS). (PMID: 33397371, PMID: 26075887, PMID: 26005850)

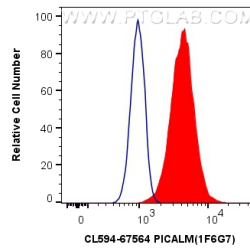
## Storage

**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**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Coralite®594 PICALM antibody (CL594-67564, Clone: 1F6G7 ) at dilution of 1:200.



1X10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human PICALM (CL594-67564, Clone:1F6G7) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).