

For Research Use Only

# CoraLite®594-conjugated PICALM Monoclonal antibody

Catalog Number: CL594-67564



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>CL594-67564                          | <b>GenBank Accession Number:</b><br>BC064357                                | <b>Purification Method:</b><br>Protein G purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>8301   | <b>CloneNo.:</b><br>1F6G7   |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>Q13492  | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                |
| <b>Isotype:</b><br>IgG1  | <b>Full Name:</b><br>phosphatidylinositol binding clathrin assembly protein | <b>Excitation/Emission maxima wavelengths:</b><br>588 nm / 604 nm |
| <b>Immunogen Catalog Number:</b><br>AG29512                    | <b>Calculated MW:</b><br>71 kDa   |   |
|  | <b>Observed MW:</b><br>60-70 kDa  |   |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>IF/ICC, FC (Intra) | <b>Positive Controls:</b><br>IF/ICC : HepG2 cells, |
| <b>Species Specificity:</b><br>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)

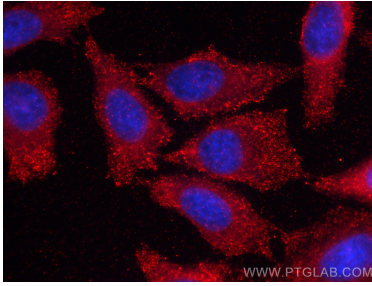
## Storage

**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

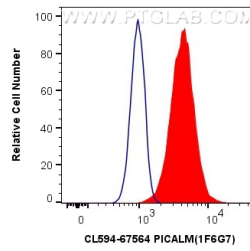
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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).