

CoraLite® Plus 488-conjugated PICALM Monoclonal antibody

Catalog Number: **CL488-67564**

Basic Information

Catalog Number: CL488-67564	GenBank Accession Number: BC064357	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 8301	CloneNo.: 1F6G7
Source: Mouse	UNIPROT ID: Q13492	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: phosphatidylinositol binding clathrin assembly protein	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG29512	Calculated MW: 71 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, mouse, rat	

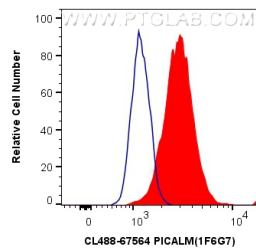
Background Information

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)

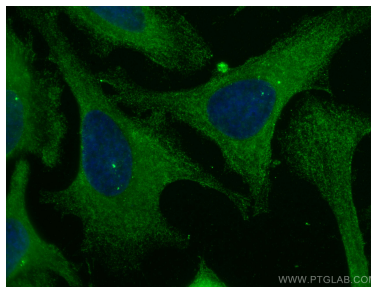
Storage

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



1×10^6 HEK-293 cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human PICALM (CL488-67564, Clone:1F6G7) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 PICALM antibody (CL488-67564, Clone: 1F6G7) at dilution of 1:200.