

For Research Use Only



# CoraLite® Plus 647 Anti-Human CD107a / LAMP1 (H4A3) Mouse IgG1 Recombinant Antibody

Catalog Number: **CL647-65519**

## Basic Information

Catalog Number: CL647-65519	GenBank Accession Number: BC006345	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 3916	CloneNo.: H4A3
Source: Mouse	ENSEMBL Gene ID: ENSG00000185896	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Full Name: lysosomal-associated membrane protein 1	

## Applications

Tested Applications:  
FC (Intra)

Species Specificity:  
Human

## Background Information

LAMP1 (CD107a) is a heavily glycosylated membrane protein enriched in the lysosomal membrane. LAMP1 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP1 is expressed largely in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane (PMID: 16168398). Elevated LAMP1 expression at the cell surface has also been detected during platelet and granulocytic cell activation, as well as in some tumor cells (PMID: 29085473). LAMP1 functions to provide selectins with carbohydrate ligands. This protein has also been shown to be a marker of degranulation on lymphocytes such as CD8+ and NK cells and may also play a role in tumor cell differentiation and metastasis (PMID: 18835598; 29085473; 9426697).

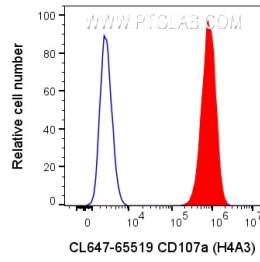
## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.09% sodium azide and 0.5% BSA.

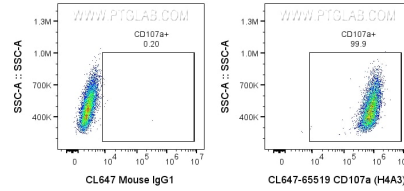
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## Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CD107a Mouse Recombinant Antibody (CL647-65519, Clone:H4A3) or Mouse IgG1 Isotype Control (CL647-65124, Clone: MOPC-21). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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