

For Research Use Only

# Anti-Human CD107a / LAMP1 (H4A3) Mouse IgG1 Recombinant Antibody, PBS Only



Catalog Number: **65519-1-PBS**

## Basic Information

Catalog Number: 65519-1-PBS	GenBank Accession Number: BC006345	Purification Method: Affinity purification
Size: 1mg, 1 mg/ml	GeneID (NCBI): 3916	CloneNo.: H4A3
Source: Mouse	ENSEMBL Gene ID: ENSG00000185896	
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 -80°C. Stable for one year after shipment.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
Storage Buffer:  
PBS only

For technical support and original validation data for this product please contact:

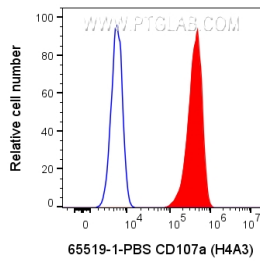
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

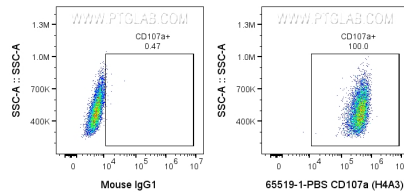
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human CD107a Mouse Recombinant Antibody (65519-1-PBS, Clone:H4A3) or Mouse IgG1 Isotype Control (65124-1-Ig, Clone: MOPC-21) and CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Donkey Anti-Mouse IgG (H+L) (SA00014-8). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human CD107a Mouse Recombinant Antibody (65519-1-PBS, Clone:H4A3) or Mouse IgG1 Isotype Control (65124-1-Ig, Clone: MOPC-21) and CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Donkey Anti-Mouse IgG (H+L) (SA00014-8). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).