

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.
Storage Buffer:
PBS only

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

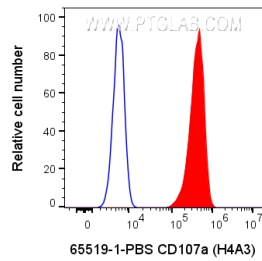
T: 4006900926

E: Proteintech-CN@ptglab.com

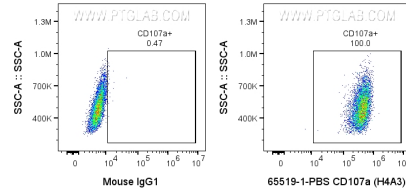
W: ptgcn.com

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

Selected Validation Data



1x10⁶ 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')₂ Fragment Donkey Anti-Mouse IgG (H+L) (SA00014-8). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1x10⁶ 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')₂ Fragment Donkey Anti-Mouse IgG (H+L) (SA00014-8). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).