

For Research Use Only



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

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

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
65519-1-PBS	BC006345	Affinity purification
Size:	GeneID (NCBI):	CloneNo.:
1mg, 1 mg/ml	3916	H4A3
Source:	ENSEMBL Gene ID:	
Mouse	ENSG00000185896	
Isotype:	Full Name:	
IgG1	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).

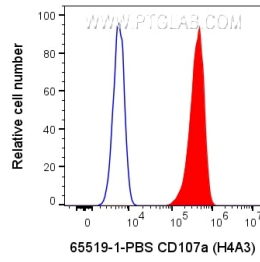
Storage

Storage:
Store at -80°C. Stable for one year after shipment.
Storage Buffer:
PBS only

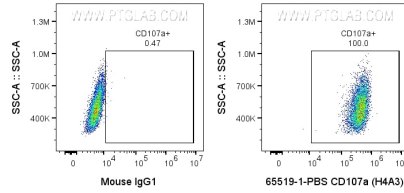
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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).