

For Research Use Only

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



Catalog Number: 65519-1-MR

Basic Information

Catalog Number: 65519-1-MR	GenBank Accession Number: BC006345	Purification Method: Affinity purification
Size: 100ug, 0.5 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).

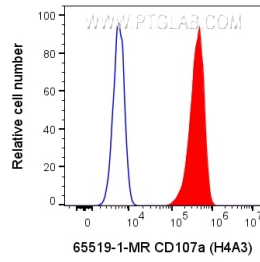
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

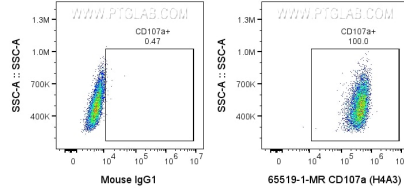
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1x10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human CD107a Mouse Recombinant Antibody (65519-1-MR, 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).