

For Research Use Only

Atlantic Blue™ Anti-Human CD107b / LAMP2 (H4B4)



Catalog Number: AB-65053

Basic Information

Catalog Number: AB-65053	GenBank Accession Number: BC002965	Purification Method: Protein G purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 3920	CloneNo.: H4B4
Source: Mouse	ENSEMBL Gene ID: ENSG00000005893	Excitation/Emission maxima wavelengths: 404 nm / 458 nm
Isotype: IgG1, kappa	UNIPROT ID: P13473	
	Full Name: lysosomal-associated membrane protein 2	
	Calculated MW: 45 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

LAMP2 (CD107b) is a Lysosomal membrane glycoprotein. LAMP2 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP-2 is localized primarily in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane under certain circumstances, e.g., after platelet activation, during granulocytic differentiation and activation, and in some tumor cells (PMID: 12221139). LAMP is involved in lysosomal stability and autophagy (PMID: 12221139). This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may play a role in tumor cell metastasis (PMID 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.

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

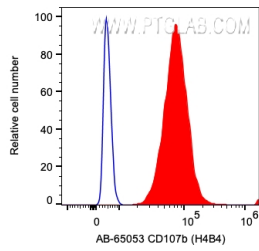
T: 4006900926

E: Proteintech-CN@ptglab.com

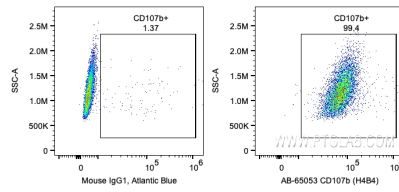
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Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 5 μ l Atlantic Blue™ Anti-Human CD107b (AB-65053, Clone:H4B4). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.



1×10^6 HeLa cells were intracellularly stained with 5 μ l Atlantic Blue™ Anti-Human LAMP2 (AB-65053, Clone:H4B4). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.