

For Research Use Only



# Anti-Human CD107b / LAMP2 (H4B4) Rabbit IgG Recombinant Antibody, PBS Only

Catalog Number: **65520-1-PBS**

## Basic Information

Catalog Number: 65520-1-PBS	GenBank Accession Number: BC002965	Purification Method: Affinity purification
Size: 1mg, 1 mg/ml	GeneID (NCBI): 3920	CloneNo.: H4B4
Source: Rabbit	ENSEMBL Gene ID: ENSG00000005893	
Isotype: IgG	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).

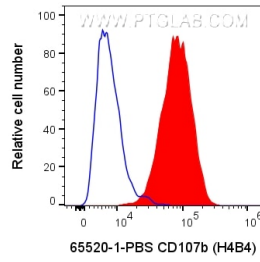
## Storage

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

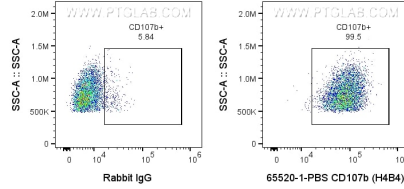
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were intracellularly stained with 0.2 ug Anti-Human CD107b Rabbit Recombinant Antibody (65520-1-PBS, Clone:H4B4) or Rabbit IgG control Rabbit PolyAb, and CoraLite®647-Conjugated AffiniPure Donkey Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Cells were treated with FC Receptor Block prior to staining.



1x10<sup>6</sup> human PBMCs were intracellularly stained with 0.2 ug Anti-Human CD107b Rabbit Recombinant Antibody (65520-1-PBS, Clone:H4B4) or Rabbit IgG control Rabbit PolyAb, and CoraLite®647-Conjugated AffiniPure Donkey Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Cells were treated with FC Receptor Block prior to staining.