

For Research Use Only

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



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

## Basic Information

<b>Catalog Number:</b> 65520-1-PBS	<b>GenBank Accession Number:</b> BC002965	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 1 mg/ml	<b>GeneID (NCBI):</b> 3920	<b>CloneNo.:</b> H4B4
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000005893	
<b>Isotype:</b> IgG	<b>Full Name:</b> lysosomal-associated membrane protein 2	
	<b>Calculated MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
FC

**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

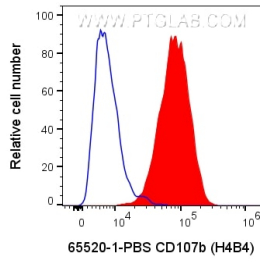
For technical support and original validation data for this product please contact:

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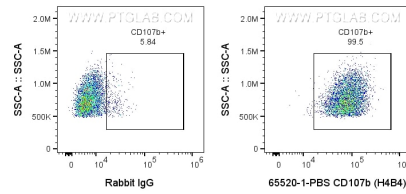
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## Selected Validation Data



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.



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