

For Research Use Only



# FITC Plus Anti-Human CD107b / LAMP2 (H4B4) Rabbit IgG Recombinant Antibody

Catalog Number: **FITC-65520**

## Basic Information

<b>Catalog Number:</b> FITC-65520	<b>GenBank Accession Number:</b> BC002965	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests, 5 µl/test	<b>GeneID (NCBI):</b> 3920	<b>CloneNo.:</b> H4B4
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG0000005893	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> lysosomal-associated membrane protein 2	
	<b>Calculated MW:</b> 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:

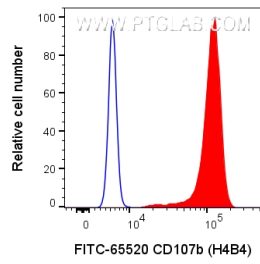
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

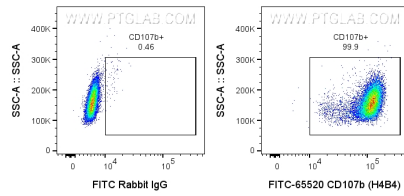
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were intracellularly stained with 5 ul FITC Plus Anti-Human CD107b Rabbit Recombinant Antibody (FITC-65520, Clone:H4B4) or FITC-conjugated Rabbit IgG control PolyAb (FITC-30000). 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 5 ul FITC Plus Anti-Human CD107b Rabbit Recombinant Antibody (FITC-65520, Clone:H4B4) or FITC-conjugated Rabbit IgG control PolyAb (FITC-30000). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Cells were treated with FC Receptor Block prior to staining.