

For Research Use Only

# Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody, PBS Only



Catalog Number: **65566-1-PBS**

## Basic Information

|                                       |   |   |
|---------------------------------------|---|---|
| <b>Catalog Number:</b><br>65566-1-PBS | <b>GenBank Accession Number:</b><br>BC002965                    | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1mg, 2 mg/ml          | <b>GeneID (NCBI):</b><br>3920                                   | <b>CloneNo.:</b><br>H4B4                              |
| <b>Source:</b><br>Mouse               | <b>ENSEMBL Gene ID:</b><br>ENSG00000005893                      |   |
| <b>Isotype:</b><br>IgG2a              | <b>Full Name:</b><br>lysosomal-associated membrane<br>protein 2 |   |
|                                       | <b>Calculated MW:</b><br>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

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

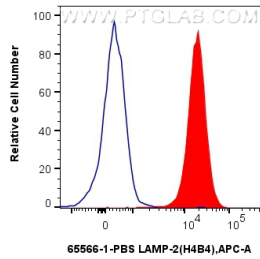
T: 4006900926

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

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

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## Selected Validation Data



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.5 ug Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody, PBS Only (65566-1-PBS, Clone: H4B4) and CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8) (red), or 0.5 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).