

# PE Anti-Human CD107b / LAMP2 (H4B4)

Catalog Number: **PE-65053**

## Basic Information

**Catalog Number:**

PE-65053

**Size:**100 tests, 10  $\mu$ l/test**Source:**

Mouse

**Isotype:**

IgG1, kappa

**GenBank Accession Number:**

BC002965

**GeneID (NCBI):**

3920

**ENSEMBL Gene ID:**

ENSG00000005893

**UNIPROT ID:**

P13473

**Full Name:**

lysosomal-associated membrane protein 2

**Calculated MW:**

45 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

H4B4

**Recommended Dilutions:**

IF 1:50-1:500

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 nm

## Applications

**Tested Applications:**

FC (Intra), IF/ICC

**Species Specificity:**

Human

**Positive Controls:**

IF : HeLa cells,

## 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 0.1% sodium azide and a stabilizer.

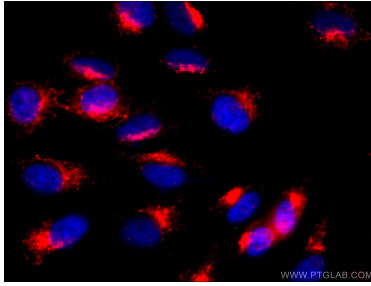
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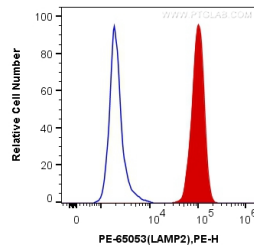
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PE-65053 (CD107b antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 10 ug PE Anti-Human CD107b (PE-65053, Clone:H4B4) (red), or 10 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).