

For Research Use Only

# FITC Anti-Mouse CD107b / LAMP2 (ABL-93)



Catalog Number: FITC-65052

## Basic Information

<b>Catalog Number:</b> FITC-65052	<b>GenBank Accession Number:</b> BC138718	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 500ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 16784	<b>CloneNo.:</b> ABL-93
<b>Source:</b> Rat	<b>Full Name:</b> lysosomal-associated membrane protein 2	<b>Excitation/Emission maxima wavelengths:</b> 494 nm / 520 nm
<b>Isotype:</b> IgG2a		

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Mouse

## 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

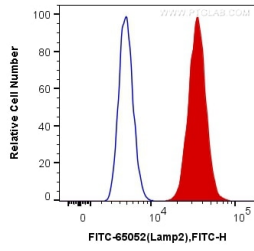
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide.

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1X10<sup>6</sup> NIH/3T3 cells were intracellularly stained with 2 ul FITC Anti-Mouse CD107b (FITC-65052, Clone:ABL-93) (red), or 2 ul Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).