

For Research Use Only

# CoraLite®594 Anti-Mouse CD107b / LAMP2 (ABL-93)



Catalog Number:CL594-65052

## Basic Information

<b>Catalog Number:</b> CL594-65052	<b>GenBank Accession Number:</b> BC138718	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 16784	<b>CloneNo.:</b> ABL-93
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P17047	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2a, kappa	<b>Full Name:</b> lysosomal-associated membrane protein 2	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm

## Applications

<b>Tested Applications:</b> IF, FC (Intra)	<b>Positive Controls:</b> IF/ICC : NIH/3T3 cells,
<b>Species Specificity:</b> 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).

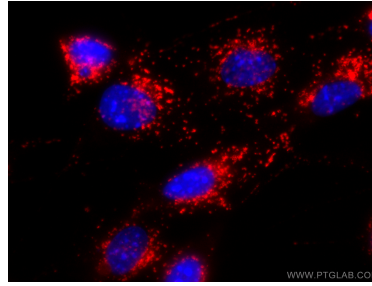
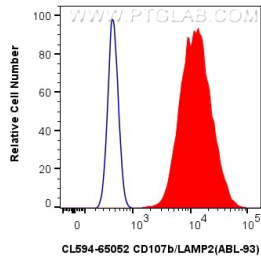
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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



$1 \times 10^6$  NIH/3T3 cells were intracellularly stained with 0.5  $\mu$ g CoraLite®594 Anti-Mouse CD107b / LAMP2 (CL594-65052, Clone: ABL-93) (red), or 0.5  $\mu$ g CoraLite®594 Rat IgG2a Isotype Control (2A3) (CL594-65209, Clone: 2A3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using CoraLite®594 CD107b antibody (CL594-65052, Clone: ABL-93) at dilution of 1:100.