

For Research Use Only

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

Catalog Number: APC-65052



## Basic Information

Catalog Number:

APC-65052

Size:

100ug, 0.2 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC138718

GeneID (NCBI):

16784

UNIPROT ID:

P17047

Full Name:

lysosomal-associated membrane protein 2

Purification Method:

Affinity purification

CloneNo.:

ABL-93

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

mouse

Positive Controls:

IF/ICC : NIH/3T3 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 0.09% sodium azide and 0.5% BSA.

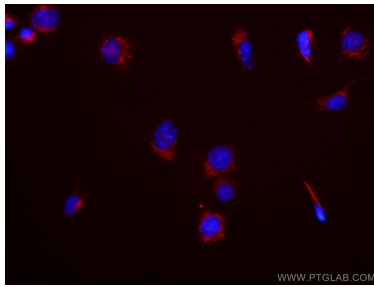
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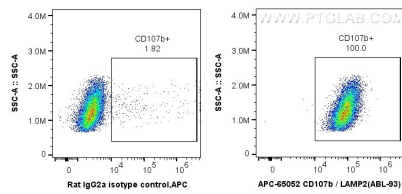
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using APC-65052 (CD107b antibody) at dilution of 1:100.



1X10<sup>6</sup> NIH/3T3 cells were intracellularly stained with 0.25 ug APC Anti-Mouse CD107b / LAMP2 (APC-65052, Clone:ABL-93) or 0.25 ug APC Rat IgG2a Isotype Control (2A3) (APC-65209, Clone: 2A3). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).