

For Research Use Only

# Anti-Mouse CD107b / LAMP2 Rabbit Recombinant Antibody

Catalog Number: 98315-4-RR



## Basic Information

Catalog Number:

98315-4-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2029

GenBank Accession Number:

NM\_001017959.2

GeneID (NCBI):

16784

UNIPROT ID:

P17047-1

Full Name:

Lysosomal-associated membrane

protein 2

Calculated MW:

46 kDa

Purification Method:

Protein A purification

CloneNo.:

241893A5

Recommended Dilutions:

FC(intra): 0.25 ug per 10<sup>6</sup> cells in a  
100 µl suspension

## Applications

Tested Applications:

FC(intra)

Species Specificity:

mouse

Positive Controls:

FC(intra): mouse bone marrow 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

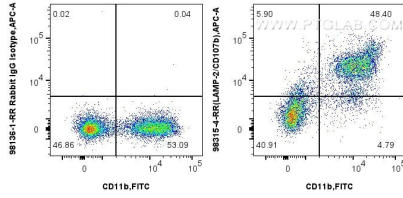
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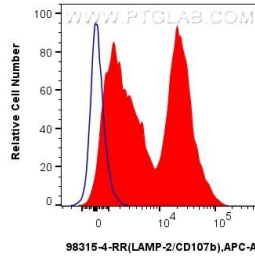
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were stained with 0.25 ug Anti-Mouse CD107b / LAMP2 Rabbit RecAb (98315-4-RR, Clone:241893A5), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with FITC Plus Anti-Mouse CD11b. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10<sup>6</sup> mouse bone marrow cells were stained with 0.25 ug Anti-Mouse CD107b / LAMP2 Rabbit RecAb (98315-4-RR, Clone:241893A5) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).