

For Research Use Only

# CoraLite® Plus 555 Anti-Human CD107b / LAMP2 (H4B4)

Catalog Number:CL555-65053



## Basic Information

**Catalog Number:**

CL555-65053

**Size:**

100tests , 5 ul/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:**

Protein G purification

**CloneNo.:**

H4B4

**Excitation/Emission maxima wavelengths:**

554 nm / 570 nm

## Applications

**Tested Applications:**

FC (Intra)

**Species Specificity:**

human

## 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.

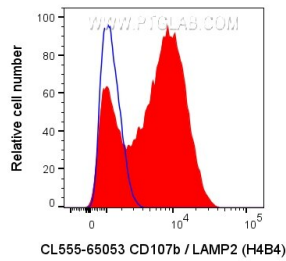
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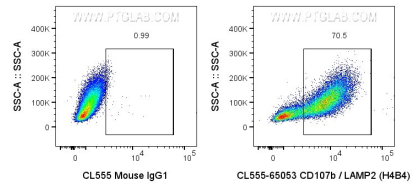
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## Selected Validation Data



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 5 ul CoraLite® Plus 555 Anti-Human CD107b / LAMP2 (CL555-65053, Clone: H4B4) (red) or CoraLite®555 Mouse IgG1 Isotype Control (CL555-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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