

For Research Use Only

# CoraLite® Plus 750 Anti-Human CD107b / LAMP2 (H4B4)



Catalog Number: **CL750-65053**

## Basic Information

<b>Catalog Number:</b> CL750-65053	<b>GenBank Accession Number:</b> BC002965	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 3920	<b>CloneNo.:</b> H4B4
<b>Source:</b> Mouse	<b>Full Name:</b> lysosomal-associated membrane protein 2	<b>Excitation/Emission maxima wavelengths:</b> 755 nm / 780 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 45 kDa	

## 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.

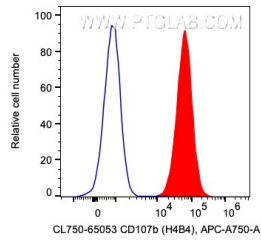
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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 5 ul CoraLite® Plus 750 Anti-Human CD107b (CL750-65053, Clone:H4B4). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.