

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody



Catalog Number: **CL647-65566**

## Basic Information

<b>Catalog Number:</b> CL647-65566	<b>GenBank Accession Number:</b> BC002965	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 3920	<b>CloneNo.:</b> H4B4
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000005893	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG2a	<b>Full Name:</b> lysosomal-associated membrane protein 2	
	<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.

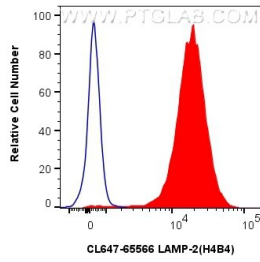
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 5 ul Coralite® Plus 647 CD107b / LAMP2 Recombinant Antibody (CL647-65566, Clone:H4B4) (red) or Coralite® Plus 647 Mouse IgG2a Isotype Control (C1.18.4) (CL647-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).