

For Research Use Only



CoraLite® Plus 647 Anti-Human CD107b / LAMP2 (H4B4) Rabbit IgG Recombinant Antibody

Catalog Number: **CL647-65520**

Basic Information

Catalog Number: CL647-65520	GenBank Accession Number: BC002965	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 3920	CloneNo.: H4B4
Source: Rabbit	ENSEMBL Gene ID: ENSG00000005893	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Full Name: lysosomal-associated membrane protein 2	
	Calculated MW: 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:

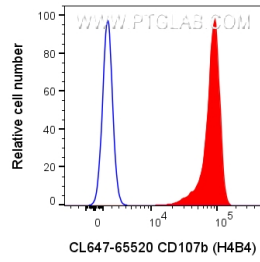
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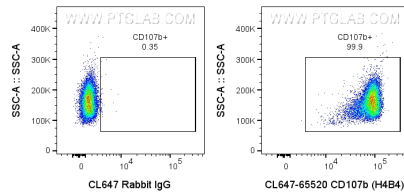
W: ptgcn.com

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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CD107b Rabbit Recombinant Antibody (CL647-65520, Clone:H4B4) or CoraLite® Plus 647-conjugated Rabbit IgG control PolyAb (CL647-30000). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Cells were treated with FC Receptor Block prior to staining.



1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human CD107b Rabbit Recombinant Antibody (CL647-65520, Clone:H4B4) or CoraLite® Plus 647-conjugated Rabbit IgG control PolyAb (CL647-30000). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Cells were treated with FC Receptor Block prior to staining.