

For Research Use Only

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



Catalog Number: **CL647-65566**

Basic Information

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

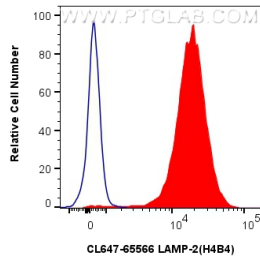
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ 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).