

For Research Use Only



# CoraLite® Plus 488-conjugated CD107b / LAMP2 Recombinant monoclonal antibody

Catalog Number: **CL488-86269-3**

## Basic Information

Catalog Number: CL488-86269-3	GenBank Accession Number: NM_002294.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3920	CloneNo.: 250948D7
Isotype: IgG	ENSEMBL Gene ID: ENSG00000005893	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: EG4998	UNIPROT ID: P13473-1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: lysosomal-associated membrane protein 2	
	Calculated MW: 45 kDa	
	Observed MW: 100-130 kDa	

## Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : A549 cells,
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 -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

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



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 CD107b / LAMP2 antibody (CL488-86269-3, Clone: 250948D7) at dilution of 1:200, CL594-Phalloidin (red).