

For Research Use Only

# CoraLite® Plus 488-conjugated CD107a / LAMP1 Recombinant antibody

Catalog Number: CL488-84658-5



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>CL488-84658-5                        | <b>GenBank Accession Number:</b><br>NM_005561.4              | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>3916                                | <b>CloneNo.:</b><br>242116E8                                      |
| <b>Source:</b><br>Rabbit                                       | <b>ENSEMBL Gene ID:</b><br>ENSG00000185896                   | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                |
| <b>Isotype:</b><br>IgG   | <b>UNIPROT ID:</b><br>P11279-1                               | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>EG2611                     | <b>Full Name:</b><br>lysosomal-associated membrane protein 1 |   |
|  | <b>Calculated MW:</b><br>45 kDa                              |   |

## Applications

|                                       |  |
|---------------------------------------|--|
| <b>Tested Applications:</b><br>IF/ICC | <b>Positive Controls:</b><br>IF/ICC : HepG2 cells, |
| <b>Species Specificity:</b><br>human  |  |

## Background Information

LAMP1 (CD107a) is a heavily glycosylated membrane protein enriched in the lysosomal membrane. LAMP1 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP1 is expressed largely in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane (PMID: 16168398). Elevated LAMP1 expression at the cell surface has also been detected during platelet and granulocytic cell activation, as well as in some tumor cells (PMID: 29085473). LAMP1 functions to provide selectins with carbohydrate ligands. This protein has also been shown to be a marker of degranulation on lymphocytes such as CD8+ and NK cells and may also play a role in tumor cell differentiation and metastasis (PMID: 18835598; 29085473; 9426697).

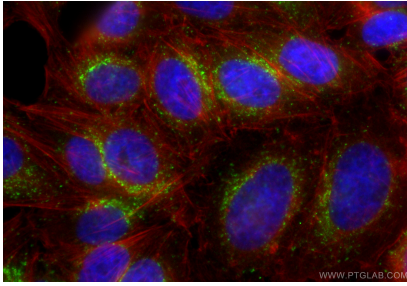
## Storage

**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:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 CD107a / LAMP1 antibody (CL488-84658-5, Clone: 242116E8 ) at dilution of 1:200, CL594-Phalloidin (red).