

For Research Use Only

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

Catalog Number: CL488-86337-2



Basic Information

Catalog Number:

CL488-86337-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3858

GenBank Accession Number:

NM_010684.3

GeneID (NCBI):

16783

UNIPROT ID:

P11438

Full Name:

lysosomal-associated membrane
protein 1

Calculated MW:

44 kDa

Observed MW:

90-120 kDa

Purification Method:

Protein A purification

CloneNo.:

250972C12

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

mouse

Positive Controls:

IF/ICC : C2C12 cells,

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:

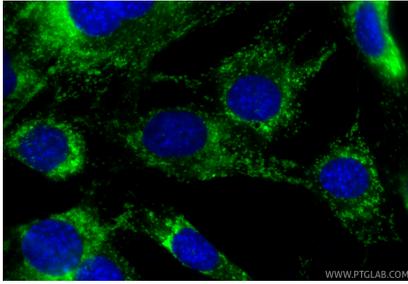
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 C2C12 cells using CoraLite® Plus 488 CD107a / LAMP1 antibody (CL488-86337-2, Clone: 250972C12) at dilution of 1:200.