

For Research Use Only

CoraLite® Plus 647 Anti-Human CD107b / LAMP2 Mouse scFv Antibody

Catalog Number: CL647-SF65566



Basic Information

Catalog Number:

CL647-SF65566

Size:

100ug, Concentration: 500 ug/ml by Nanodrop;

Source:

Mouse

Type:

scFv

GenBank Accession Number:

BC002965

GeneID (NCBI):

3920

ENSEMBL Gene ID:

ENSG00000005893

Full Name:

lysosomal-associated membrane protein 2

Calculated MW:

45 kDa

Purification Method:

Affinity purification

CloneNo.:

H4B4

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : Jurkat cells,

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:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin 300, pH7.3

*** 20ul sizes contain 0.1% BSA

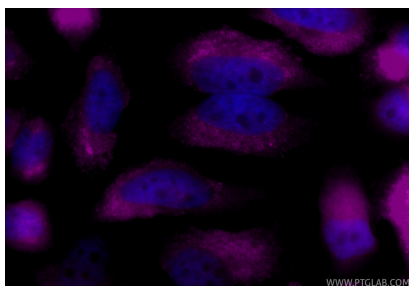
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

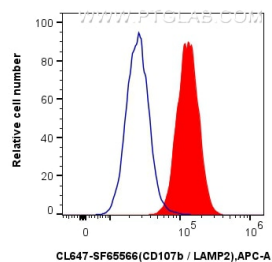
E: proteintech@ptglab.com
W: ptglab.com

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 HeLa cells using CoraLite® Plus 647 CD107b / LAMP2 antibody (CL647-SF65566, Clone: H4B4) at dilution of 1:200.



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Human CD107b / LAMP2 Mouse scFv Antibody (CL647-SF65566, Clone: H4B4) (red) or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).