For Research Use Only

CoraLite®594 Anti-Human CD107b / LAMP2 (H4B4)

Catalog Number:CL594-65053 1 Publications

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-65053

Concentration:
100tests, 5 ul/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC002965

GeneID (NCBI):
3920

ENSEMBL Gene ID:
ENSG00000005893

UNIPROT ID:
P13473

Full Name:
lysosomal-associated membrane protein 2

Calculated MW:
45 kDa

Purification Method:
Protein G purification

CloneNo.:
H4B4

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 5 ul per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Cited Applications:
IF

Species Specificity:
human

Cited Species:
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Shu Cui	41168906	Adv Sci (Weinh)	IF

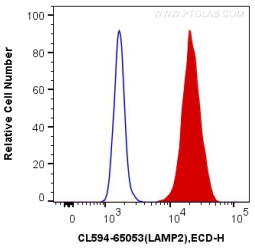
Storage

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, pH7.3

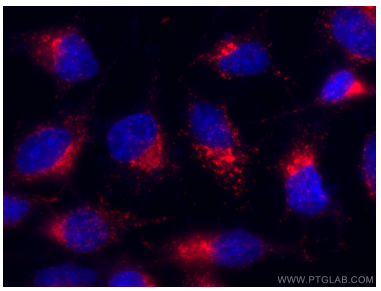
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1X10^6 Jurkat cells were intracellularly stained with 5 ul CoraLite®594 Anti-Human CD107b (CL594-65053, Clone:H4B4) (red) or Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594-conjugated CD107b antibody (CL594-65053, Clone: H4B4) at dilution of 1:50.