

For Research Use Only

Anti-Human CD107b / LAMP2 (H4B4)

Catalog Number: 65053-1-Ig **1 Publications**



Basic Information

Catalog Number:

65053-1-Ig

Concentration:

100ug, 0.5 mg/ml

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 1:400-1:1600

Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IF/ICC : MCF-7 cells, U-251 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
Yuna Amemiya	39716490	J Biol Chem	IF

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

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

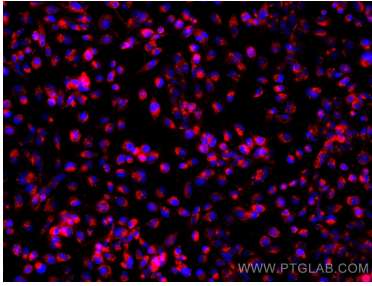
T: 4006900926

E: Proteintech-CN@ptglab.com

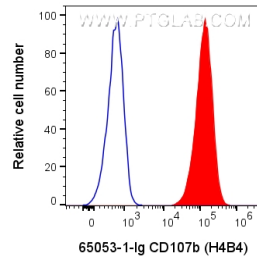
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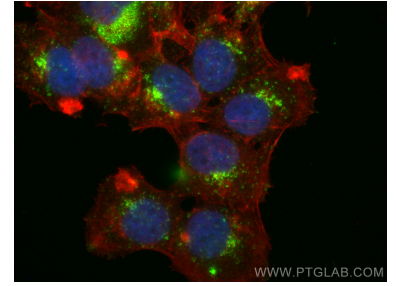
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using CD107b / LAMP2 antibody (65053-1-Ig, Clone: H4B4) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM004).



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human CD107b / LAMP2 (65053-1-Ig, Clone:H4B4) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or Mouse IgG1 Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CD107b / LAMP2 antibody (65053-1-Ig, Clone: H4B4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).