

For Research Use Only

Anti-Human CD107b (H4B4)

Catalog Number: 65053-1-Ig



Basic Information

Catalog Number:

65053-1-Ig

Size:

100ug, 0.1 mg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC002965

GeneID (NCBI):

3920

Full Name:

lysosomal-associated membrane protein 2

Calculated MW:

45 kDa

Purification Method:

Affinity purification

CloneNo.:

H4B4

Recommended Dilutions:

IF 1:50-1:500

Applications

Tested Applications:

FC, IF, ELISA

Species Specificity:

Human

Positive Controls:

IF : HeLa 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.

Storage Buffer:

Borate buffered saline, pH 8.2.

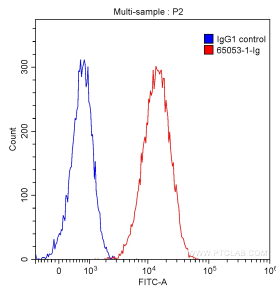
For technical support and original validation data for this product please contact:

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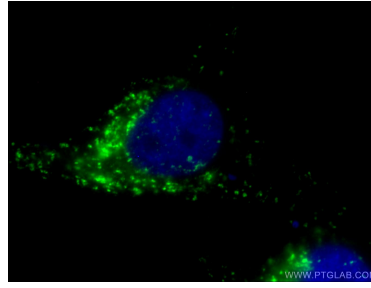
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.20 ug Anti-Human CD107b (65053-1-Ig, Clone:H4B4) (red) or 0.20 ug isotype control antibody (blue) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Cells were fixed with 90% MeOH.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 65053-1-Ig (CD107b antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).