

For Research Use Only

FITC Plus Anti-Human CD107b / LAMP2 (H4B4)

Catalog Number: FITC-65053



Basic Information

Catalog Number:

FITC-65053

Concentration:

100 tests, 5 µl/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:

Affinity purification

CloneNo.:

H4B4

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC: 5 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

human

Positive Controls:

IF/ICC: HeLa cells,

FC: human PBMCs,

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:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

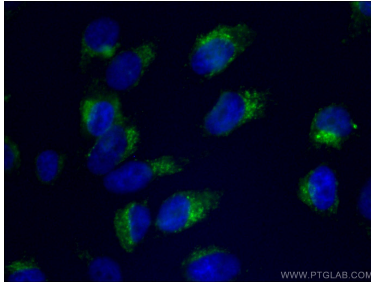
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E: Proteintech-CN@ptglab.com

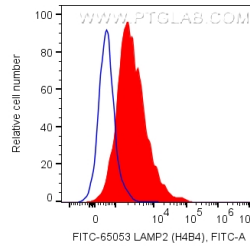
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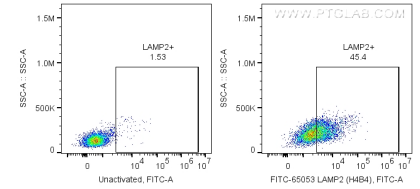
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FITC-65053 (CD107b antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ PHA-activated human PBMCs were surface stained with 5 ul FITC Plus Plus Anti-Human CD107b (FITC-65053, Clone: H4B4). Unactivated PBMCs were used as negative control. Cells were not fixed. Lymphocytes were gated.



1X10⁶ PHA-activated human PBMCs were surface stained with 5 ul FITC Plus Plus Anti-Human CD107b (FITC-65053, Clone: H4B4). Unactivated PBMCs were used as negative control. Cells were not fixed. Lymphocytes were gated.