For Research Use Only

Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody

Catalog Number:65566-1-MR

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Basic Information

Catalog Number:
65566-1-MR

Concentration:
100ug, 1000 ug/ml

Source:
Mouse

Isotype:
IgG2a

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 A purification

CloneNo.:
H4B4

Recommended Dilutions:
IF/ICC: 1:250-1:1000
FC (Intra): 0.5 ug per 10^6 cells in 100 μl suspension

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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
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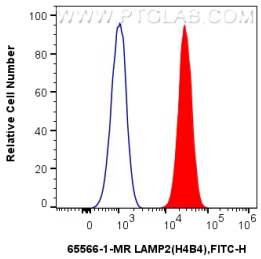
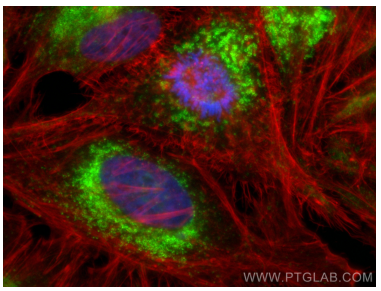
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 Jurkat cells were intracellularly stained with 0.5 ug Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody (65566-1-MR, Clone: H4B4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.5 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CD107b / LAMP2 antibody (65566-1-MR, Clone: H4B4) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).