

For Research Use Only

Anti-Human CD107b / LAMP2 Mouse scFv Antibody

Catalog Number: SF65566-1-MR



Basic Information

Catalog Number:

SF65566-1-MR

Source:

Mouse

Type:

scFv

GenBank Accession Number:

BC002965

GeneID (NCBI):

3920

ENSEMBL Gene ID:

ENSG00000005893

Full Name:

lysosomal-associated membrane protein 2

Calculated MW:

45 kDa

Purification Method:

Affinity purification

CloneNo.:

H4B4

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

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:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin 300, pH7.3

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

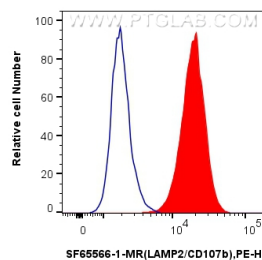
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Selected Validation Data



1×10^6 Jurkat cells were intracellularly stained with 0.25 μ g Anti-Human CD107b / LAMP2 Mouse scFv Antibody (SF65566-1-MR, Clone: H4B4) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE Anti-6^{His}, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).