

For Research Use Only

Anti-Mouse CD107b / LAMP2 (ABL-93)



Catalog Number: 65052-1-Ig **1 Publications**

Basic Information

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|--------------------------------------|--|--|
| Catalog Number: 65052-1-Ig | GenBank Accession Number: BC138718 | Purification Method: Affinity purification |
| Size: 500ug , 0.5 mg/ml | GeneID (NCBI): 16784 | CloneNo.: ABL-93 |
| Source: Rat | UNIPROT ID: P17047 | Recommended Dilutions: IF/ICC 1:50-1:500 |
| Isotype: IgG2a, kappa | Full Name: lysosomal-associated membrane protein 2 | |

Applications

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|---|--|
| Tested Applications: IF, FC (Intra) | Positive Controls: IF/ICC : NIH/3T3 cells, |
| Cited Applications: IF | |
| Species Specificity: Mouse | |
| Cited Species: mouse | |

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 plays a role in tumor cell metastasis (PMID 9426697).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|--------------|-------------|
| Dongming Lv | 37480849 | Cell Rep Med | IF |

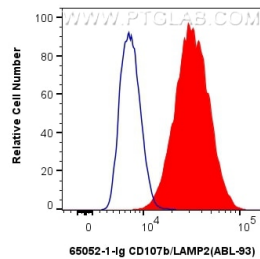
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

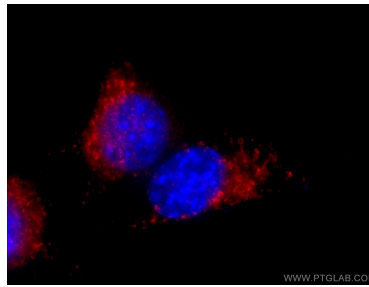
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Selected Validation Data



1×10^6 NIH/3T3 cells were intracellularly stained with 0.5 μ g Anti-Mouse CD107b / LAMP2 (65052-1-Ig, Clone: ABL-93) and FITC anti-Rat IgG2a Antibody (red), or 0.5 μ g Rat IgG2a Isotype Control (2A3) (65209-1-Ig, Clone: 2A3) and FITC anti-Rat IgG2a Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using 65052-1-Ig (CD107b antibody) at dilution of 1:100 and Rhodamine (TRITC)-conjugated Goat Anti-Rat IgG(H+L).