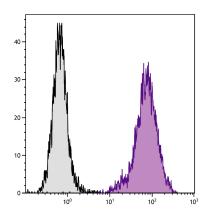




Rat Anti-Mouse CD107b

Cat. No.	Format	Size
1921-01	Purified (UNLB)	0.5 mg
1921-02	Fluorescein (FITC)	0.5 mg
1921-11	Allophycocyanin (APC)	0.1 mg



Mouse $M\phi$ cells were stained with Rat Anti-Mouse CD107b-APC (SB Cat. No. 1921-11).

Overview

Clone ABL-93

Isotype Rat (Sprague Dawley) IgG_{2a}κ

Immunogen Glycoproteins purified from BALB/c mouse embryo 3T3 cell line

Specificity Mouse CD107b; Mr 100-110 kDa

Alternate Name(s) LAMP-2, lysosomal-associated membrane protein 2

Description

CD107b, also known as lysosomal-associated membrane protein 2 (LAMP-2), is a heavily glycosylated type I transmembrane protein that constitutes one of the two major sialoglycoproteins on lysosomal membranes that can be used to distinguish lysosomes from other organelles. CD107b is similar in structure to Mac-1 and is expressed primarily on epithelial cells and macrophages in a variety of organs in normal and beige mutant mice.

Applications

FC – Quality tested ⁷

IHC-FS - Reported in literature 4

ICC – Reported in literature 1,2

EM – Reported in literature ¹

IP – Reported in literature ^{1,2}

WB – Reported in literature ^{2,3}

Working Dilutions

Flow Cytometry Purified (UNLB) antibody $\leq 1 \mu g/10^6$ cells

FITC and APC conjugates $\leq 1 \mu g/10^6 \text{ cells}$

For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is

appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No
 preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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