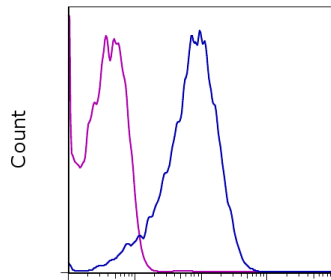


Anti-Mouse CD107b (LAMP-2) eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

Catalog Number: 50-1072

Also known as: LAMP2, lysosomal-associated membrane protein 2

RUO: For Research Use Only. Not for use in diagnostic procedures.



CD107b eFluor 660

Intracellular staining of mouse thioglycolate-elicited peritoneal exudate cells with 0.5 μ g of Rat IgG2a K Isotype Control eFluor[®] 660 (cat. 50-4321) (blue histogram) or Anti-Mouse CD107b (LAMP-2) eFluor[®] 660 (Alexa Fluor[®] 647 Replacement) (purple histogram). Total cells were used for analysis.

Product Information

Contents: Anti-Mouse CD107b (LAMP-2) eFluor[®] 660 (Alexa Fluor[®] 647 Replacement)

REF **Catalog Number:** 50-1072

Clone: eBioABL-93

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The eBioABL-93 monoclonal antibody reacts with mouse CD107b, also known as lysosomal-associated membrane protein-2 (LAMP-2). CD107b is a highly glycosylated protein of approximately 120 kDa that is expressed intracellularly in lysosomal membranes. It is also transiently expressed on the surface of cytolytic T cells during degranulation, but to a lesser extent than CD107a. It has been reported that CD107b may be identical to the mouse Mac-3 antigen.

Applications Reported

This ABL-93 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

This eBioABL-93 antibody has been tested by intracellular staining and flow cytometric analysis of thioglycolate elicited peritoneal mouse cells. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor[®] 660 is a replacement for Alexa Fluor[®] 647. eFluor[®] 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Betts MR, Koup RA. Detection of T-cell degranulation: CD107a and b. *Methods Cell Biol.* 2004;75:497-512.

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Cha Y, Holland SM, August JT. The cDNA sequence of mouse LAMP-2. Evidence for two classes of lysosomal membrane glycoproteins. J Biol Chem. 1990 Mar 25;265(9):5008-13. (**ABL-93**, affinity-chromatography, PubMed)

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Chen JW, Murphy TL, Willingham MC, Pastan I, August JT. Identification of two lysosomal membrane glycoproteins. J Cell Biol. 1985 Jul;101(1):85-95. (**ABL-93**, IP, IHC, PubMed)

Related Products

50-4321 Rat IgG2a K Isotype Control eFluor® 660 (eBR2a)

88-8823 Fixation & Permeabilization Buffers

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