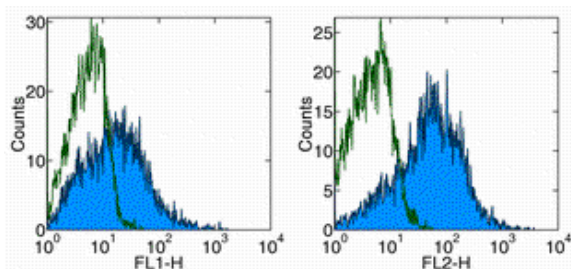


Anti-Mouse CD107b (Mac-3) Purified

Catalog Number: 14-5989

Also Known As: LAMP-2, LAMP2

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



Staining of thioglycolate-induced peritoneal exudate cells (PECs) with Anti-Mouse CD107b (Mac-3) FITC (left) and Anti-Mouse CD107b (Mac-3) PE (right). Autofluorescence is shown via open histogram. Cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Mouse CD107b (Mac-3) Purified

REF **Catalog Number:** 14-5989

Clone: M3/84

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG1, kappa

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The M3/84 monoclonal antibody reacts with mouse Mac-3, the 110 kDa protein expressed by mononuclear phagocytes. The Mac-3 antigen is expressed intracellularly by bone marrow monocyte lineage and is upregulated during macrophage differentiation. Peritoneal and tissue macrophages, dendritic cells, and endothelial cells express this antigen on their surface. It is reported that Mac-3 may be identical to CD107b.

Applications Reported

The M3/84 antibody has been reported for use in flow cytometric analysis, immunohistochemical staining of frozen tissue sections, and immunoprecipitation.

Applications Tested

The M3/84 antibody has been tested by flow cytometric analysis of mouse bone marrow and thioglycolate-elicited peritoneal exudates cell suspensions and can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Flotte TJ, Springer TA, Thorbecke GJ. Dendritic cell and macrophage staining by monoclonal antibodies in tissue sections and epidermal sheets. *Am J Pathol.* 1983 Apr;111(1):112-24.

Ho MK, Springer TA. Tissue distribution, structural characterization, and biosynthesis of Mac-3, a macrophage surface glycoprotein exhibiting molecular weight heterogeneity. *J Biol Chem.* 1983 Jan 10;258(1):636-42.

Springer T, Galfrè G, Secher DS, Milstein C. Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. *Eur J Immunol.* 1978 Aug;8(8):539-51.

Related Products

11-4811 Anti-Rat IgG FITC

14-4301 Rat IgG1 K Isotype Control Purified

