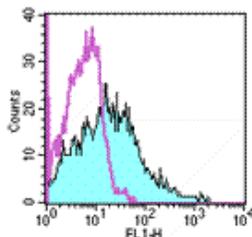


## Anti-Mouse CD107b (Mac-3) FITC

Catalog Number: 11-5989

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 staining buffer (autofluorescence) (open histogram) or 0.125 µg of Anti-Mouse CD107b (Mac-3) FITC (filled histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD107b (Mac-3) FITC

**REF** **Catalog Number:** 11-5989

**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. Do not freeze. Light sensitive material.

**LOT** **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.

### 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 10<sup>5</sup> to 10<sup>8</sup> 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

11-4301 Rat IgG1 K Isotype Control FITC

