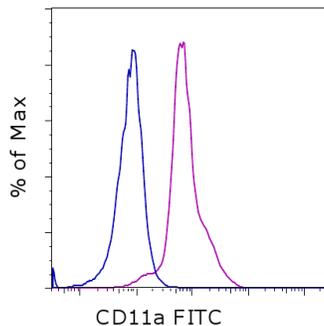


## Anti-Mouse CD11a FITC

**Catalog Number:** 11-0111

**Also known as:** Integrin alpha L, Lymphocyte Function-Associated Antigen

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



Staining of BALB/c splenocytes with 0.25  $\mu$ g of Rat IgG2a K Isotype Control FITC (cat. 11-4321) (blue histogram) or 0.25  $\mu$ g of Anti-Mouse CD11a FITC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Mouse CD11a FITC

**Catalog Number:** 11-0111

**Clone:** M17/4

**Concentration:** 0.5 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

### Description

The M17/4 monoclonal antibody reacts with mouse CD11a, the 180 kDa integrin alpha L, also known as the lymphocyte function associated antigen-1 (LFA-1) alpha chain. LFA-1, formed by non-covalent association of CD11a with CD18 (integrin beta 2), serves as an important adhesion molecule involved in lymphocyte and granulocyte function. CD54 (ICAM-1), CD102 (ICAM-2), and CD50 (ICAM-3) are ligands for LFA-1. CD11a is expressed by all leukocytes.

### Applications Reported

The M17/4 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The M17/4 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ 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.

### References

Sanchez-Madrid F, Simon P, Thompson S, Springer TA. Mapping of antigenic and functional epitopes on the alpha- and beta-subunits of two related mouse glycoproteins involved in cell interactions, LFA-1 and Mac-1. *J Exp Med.* 1983 Aug 1;158(2):586-602.

Sanchez-Madrid F, Davignon D, Martz E, Springer TA. Sanchez-Madrid F, Davignon D, Martz E, Springer TA. *Cell Immunol.* 1982 Oct;73(1):1-11.

### Related Products

00-4222 Flow Cytometry Staining Buffer

11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)

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