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# Product datasheet for AM31884FC-L

## CD11a / ITGAL Rat Monoclonal Antibody [Clone ID: IBL-6/2]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | IBL-6/2 |
| **Applications:** | FC |
| **Recommended Dilution:** | This clone has been reported to work in immunohistochemistry (acetone-fixed frozen sections), flow cytometry and immunoprecipitation.<br>The FITC conjugated format is especially useful for direct flow cytometry. |
| **Reactivity:** | Mouse |
| **Host:** | Rat |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | EL4 (mouse thymoma cell line)<br>Donor: Wistar spleen<br>Fusion Partner: Sp-2/0Ag14 |
| **Specificity:** | Anti-mouse CD11a monoclonal antibody (Clone: IBL-6/2) recognizes the LFA-1 (CD11a) antigen in mice. The LFA-1 is expressed on leukocytes and it mediates cell-cell and cell-adhesion by binding to CD54 and ICAM-2). |
| **Formulation:** | PBS containing 0.02% sodium azide (NaN3) as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.<br>Label: FITC<br>State: Liquid purified Ig fraction<br>Label: Fluorescein isothiocyanate isomer 1 |
| **Concentration:** | lot specific |
| **Purification:** | Affinity chromatography on Protein G |
| **Conjugation:** | FITC |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Database Link:** | P24063 |

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**Synonyms:** Integrin alpha-L, LFA1, LFA-1

**Note:** Protocol: **FLOW CYTOMETRY ANALYSIS:**

**Method:**

1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium.
2. Wash 2 times.
3. Resuspend the cells to a concentration of 2x10e7 cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain 1 x 10e6 cells, representing 1 test).
4. To each tube, add 0.5 – 0.2 µg of this antibody per 10e6 cells.
5. Vortex the tubes to ensure thorough mixing of antibody and cells.
6. Incubate the tubes for 30 minutes at 4°C. (It is recommended that the tubes are protected from light, since most fluorochromes are light sensitive.)
7. Wash 2 times at 4°C.
8. Resuspend the cell pellet in 50 µl ice cold media B.
9. Transfer to suitable tubes for flow cytometric analysis containing 15 µl of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA.

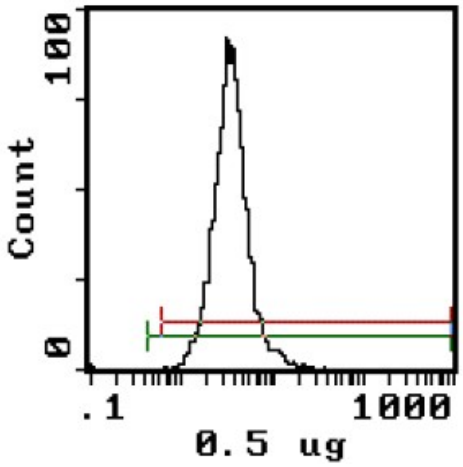
**Media:**

A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

**Results:**

Tissue Distribution by Flow Cytometry Analysis:
Mouse Strain: BALB/c
Cell Concentration: 1x10e6 cells per test
Antibody Concentration Used: 0.2 µg/10e6 cells
Isotypic Control: FITC Rat IgG1

## Product images:




Cell Source: Lymph Node Percentage of cells stained above control: 99.6%