



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

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- Expressversand

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for the Science of Tomorrow™

**Purified Anti-Mouse CD11b (MAC-1)  
Monoclonal Antibody**

| Catalogue#  | Format        | Size          | Concentration | Isotype Control |
|-------------|---------------|---------------|---------------|-----------------|
| CL8941A     | Ascites       | 0.5 ml        | NA            | CLCR2B00        |
| CL8941AP    | Purified      | 250 µg        | 0.1 mg/ml     | CLCR2B00        |
| CL8941LE    | Low Endotoxin | 500 µg        | 1.0 mg.ml     | CLCR2B00        |
| CL8941B/-3  | Biotin        | 100 µg/300 µg | 0.1 mg/ml     | CLCR2B15        |
| CL8941F/-3  | FITC          | 100 µg/300 µg | 0.1 mg/ml     | CLCR2B01        |
| CL8941NA    | No Azide      | 1.0 mg        | 1.0 mg.ml     | CLCR2B00        |
| CL8941PE/-3 | PE            | 50 µg/300 µg  | 0.1 mg/ml     | CLCR2B04        |
| CL8941TC    | PE-Cy5        | 100 µg        | 1.0 mg.ml     | CLCR2B06        |
| CL8941APC   | APC           | 100 µg        | 0.1 mg/ml     | CLCR2B05        |
| CL8941G/-2  | 10 nm Gold    | 0.5 ml/1.0 ml | OD3           | N/A             |

Ig Class: Rat IgG<sub>2b</sub>

**DESCRIPTION:**

Cedarlane's anti-mouse CD11b (Mac-1; Ly 40) monoclonal antibody detects the 170 kDa  $\alpha$  subunit of Mac-1 which mediates adhesion to ICAM-1 (CD54) and C3bi. Mac-1 is expressed on granulocytes, macrophages, natural killer cells, and B-1 cells in the peritoneal and pleural cavities. Mac-1 is up-regulated on neutrophils after activation. This particular clone blocks cell adherence and C3bi binding but does not block cell mediated lysis (1,2,3,4,5,6). Applications include flow cytometry, *in vitro* and *in vivo* blocking, immunohistochemistry for both paraffin embedded and acetone-fixed frozen sections 1-20 µg/ml (7). Also useful for immunoprecipitation and western blotting.

**PRESENTATION:**

**Purified:** Purified IgG buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

**Biotin, FITC, PE and PE-Cy5:** Biotin/FITC/PE/PE-Cy5 conjugated IgG buffered in PBS, 0.02% NaN<sub>3</sub> and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL.

**No Azide:** Purified Ig buffered in PBS, no preservative, 0.2 µm sterile filtered.

**STORAGE/STABILITY:**

For all formats, store at 4°C. DO NOT FREEZE PE, PE-Cy5, APC and Gold conjugates. For long term storage (**Purified, Biotin, FITC, No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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**SPECIFICATIONS:**

Clone: M1/70.15

Hybridoma Production:

Immunization: Immunogen: C57BL/6 spleen cell enriched for T lymphocytes  
Donor: DA rat spleen

Fusion Partner: NS-1

Specificity: Mouse CD11b (MAC-1, Ly-40)

**TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: C<sub>3</sub>H/HE

Cell Concentration: 1x10<sup>6</sup> cells per test

Antibody Concentration Used: 0.2 µg/10<sup>6</sup> cells

Cell Source

Peritoneal Macrophages

Bone Marrow Macrophages

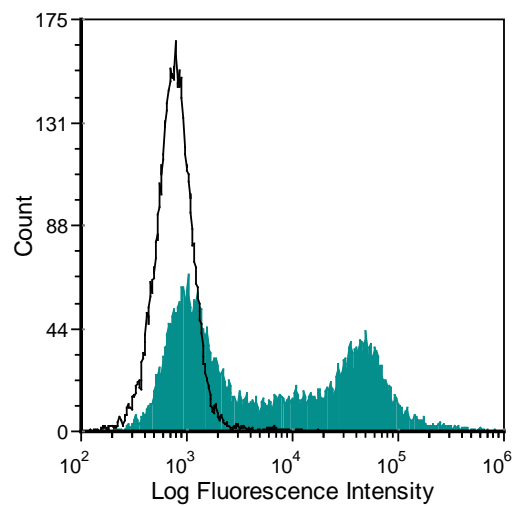
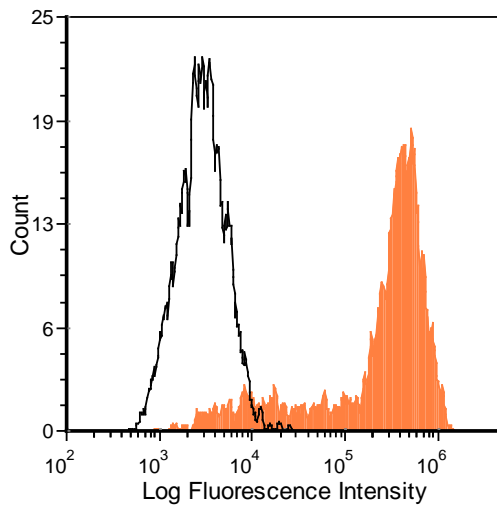
Thymus

Percentage of cells stained above control:

90.4%

68.3%

7.5%



C3H/HE mouse peritoneal macrophages (left) and bone marrow (right) were stained with anti-CD11b (clone: M1/70.15) (filled histogram) or rat IgG2b isotype control (open histogram).

**N.B. Appropriate control samples should always be included in any labeling studies.**

**\* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

## **REFERENCES:**

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