

Anti-Mincle (Mouse) mAb-Biotin

CODE No. D266-6

CLONALITY Monoclonal
CLONE 1B6
ISOTYPE Rat IgG1 κ
QUANTITY 100 μ L

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN RBL-2H3 cells expressing full-length mouse Mincle
REACTIVITY This clone reacts with mouse Mincle (Clec4e) and cross-reacts weakly with MCL (Clec4d).
FORMULATION PBS (pH 7.2) containing 1% BSA and 0.1% ProClin 150
STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Flow cytometry 1:500

SPECIES CROSS REACTIVITY on WB

| Species | Human | Mouse | Rat | Guinea Pig |
|------------|------------|---|------------|------------|
| Cell | Not tested | LPS-stimulated Balb/c mouse peritoneal macrophage | Not tested | Not tested |
| Reactivity | | + | | |

Entrez Gene ID 56619 (Mouse)

- REFERENCES**
- 1) Miyake, Y., *et al.*, *Immunity* **38**, 1050-1062 (2013)
 - 2) Behler, F., *et al.*, *J. Immunol.* **189**, 3121-3129 (2012)
 - 3) Yamasaki, S., *et al.*, *PNAS* **106**, 1897-1902 (2009)
 - 4) Ishikawa, E., *et al.*, *J. Exp. Med.* **206**, 2879-2888 (2009)
 - 5) Yamasaki, S., *et al.*, *Nat. Immunol.* **9**, 1179-1188 (2008)

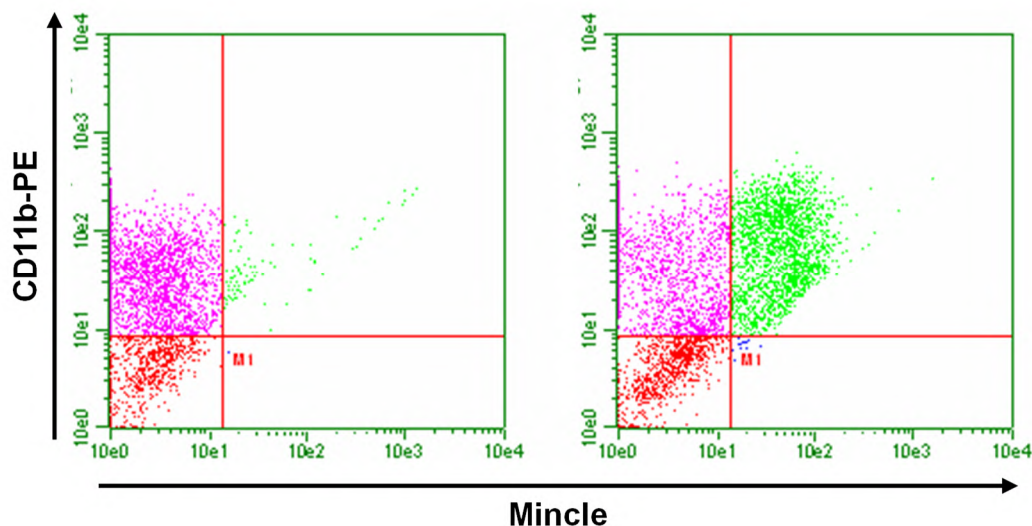
For more information, please visit our web site <https://ruo.mbl.co.jp/>.

The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

Flow cytometric analysis

- 1) Wash the cells (5×10^5 cells/sample) 3 times with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS)].
- 2) Add 10 μ L of Clear Back (MBL, code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 5 min. at room temperature.
- 3) Add 40 μ L of washing buffer and the primary antibody as suggested in the **APPLICATION**. Mix well and incubate for 20 min. at room temperature.
- 4) Wash the cells once with 1 mL of washing buffer.
- 5) Add Streptavidin-FITC diluted with washing buffer. Mix well and incubate for 15 min. at room temperature.
- 6) Wash the cells once with 1 mL of the washing buffer.
- 7) Add PE labeled anti-CD11b (Mac-1) antibody diluted with washing buffer. Mix well and incubate for 15 min. at room temperature.
- 8) Wash the cells once with 1 mL of the washing buffer.
- 9) Resuspend the cells with 500 μ L of the washing buffer and analyze by a flow cytometer.

(Positive control for Flow cytometry; LPS-stimulated Balb/c mouse peritoneal macrophage)



Flow cytometric detection of mouse Mincle on LPS-stimulated Balb/c mouse peritoneal macrophages

Left: Isotype control (MBL, code no. M080-3)

Right: Anti-Mincle (Mouse) mAb-Biotin (MBL, code no. D266-6)