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Not for use in diagnostic procedures.

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Anti-Mincle (Mouse) mAb-Biotin

CODE No. D266-6

CLONALITY Monoclonal
CLONE 1B6
ISOTYPE Rat IgG1 κ
QUANTITY 100 µL

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)

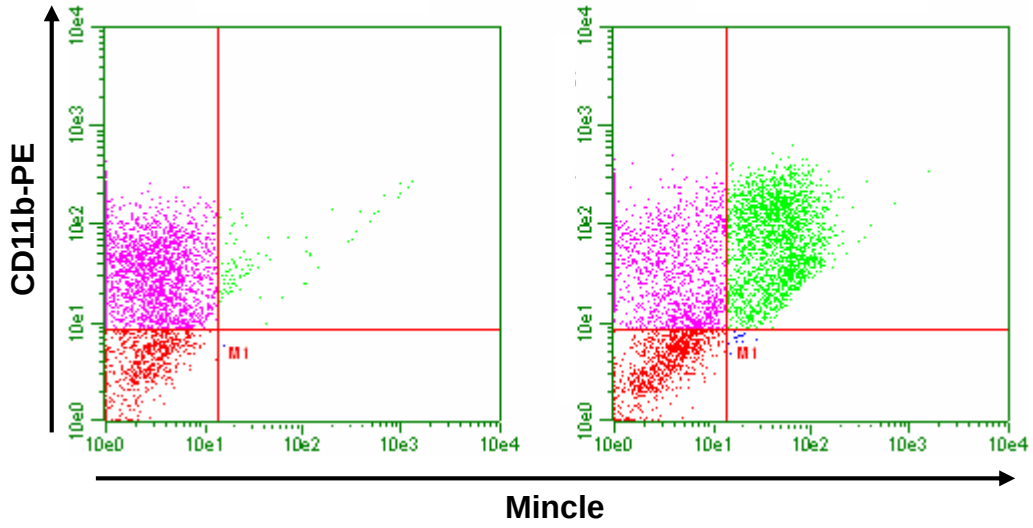
For more information, please visit our web site **https://ruo.mbl.co.jp/**.

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

Flow cytometric analysis

1) Wash the cells (5 x 10^5 cells/sample) 3 times with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS)].
2) Add 10 µL 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 µL 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 µL 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)