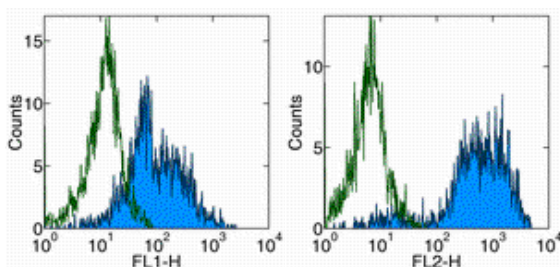


## Anti-Mouse CD11b Functional Grade Purified

**Catalog Number:** 16-0112

**Also Known As:** Integrin alpha M, ITGAM, Mac-1 alpha (Mac1A), Complement Receptor 3 alpha (CR3A)

**RUO: For Research Use Only**



Staining of mouse bone marrow with Anti-Mouse CD11b FITC (left), or PE (right). Appropriate isotype controls were used (open histogram). Cells in the myeloid population were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD11b Functional Grade Purified

**REF** **Catalog Number:** 16-0112

**Clone:** M1/70

**Concentration:** 1 mg/ml

**Host/Isotype:** Rat IgG2b,  $\kappa$

**Handling Conditions:** Use in sterile environment.

**Endotoxin Level:** Less than 0.001 ng/ $\mu$ g antibody, as determined by the LAL assay.

**Formulation:** aqueous buffer, no sodium azide



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial

### Description

The M1/70 monoclonal antibody reacts with mouse CD11b, the 165-170 kDa integrin  $\alpha_M$ . CD11b non-covalently associates with CD18 to form  $\alpha_M\beta_2$  integrin (Mac-1) and binds to CD54 (ICAM-1), C3bi, and fibrinogen. Mac-1 is expressed by macrophages, NK cells, granulocytes, activated lymphocytes and mouse B-1 cells in the peritoneal cavity. M1/70 is also cross-reactive to human CD11b, and can be used for the detection of this antigen on human peripheral blood monocytes, granulocytes, and a subset of NK cells. Through interactions with its ligands, CD11b participates in adhesive cell interactions.

### Applications Reported

The M1/70 antibody has been reported for use in flow cytometric analysis. M1/70 has also been reported in *in vitro* blocking of CD11b function.

### Applications Tested

The M1/70 antibody has been tested by flow cytometric analysis of mouse splenocyte or bone marrow cell suspensions. This can be used at less than or equal to 0.25  $\mu$ 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

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**Related Products**

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

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