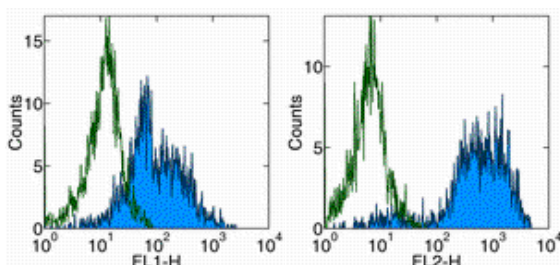


Anti-Mouse CD11b Purified

Catalog Number: 14-0112

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) and PE (right). Appropriate isotype controls were used (open histogram). Cells in the myeloid population were used for analysis.

Product Information

Contents: Anti-Mouse CD11b Purified

REF **Catalog Number:** 14-0112

Clone: M1/70

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2b, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The M1/70 monoclonal antibody reacts with mouse CD11b, the 165-170 kDa integrin α_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, immunoprecipitation, and immunohistochemical staining. M1/70 has also been reported in *in vitro* blocking of CD11b function. (Please use Functional Grade purified M1/70, cat. 16-0112, in functional assays.)

Applications Tested

The M1/70 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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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Ault KA and Springer TA. 1981. Cross-reaction of a rat-anti-mouse phagocyte-specific monoclonal antibody (anti-Mac-1) with human monocytes and natural killer cells. *J Immunol.* 126(1):359-64. (cross-reactivity to human, PubMed)

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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)

14-4031 Rat IgG2b K Isotype Control Purified

17-4317 Streptavidin APC

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