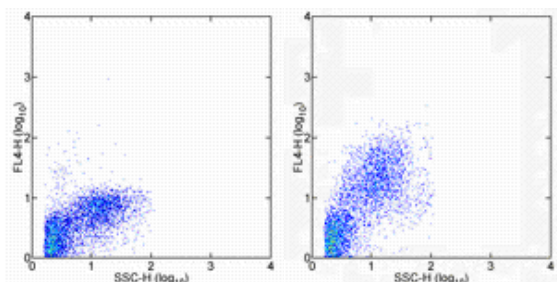


Anti-Mouse CD11b Alexa Fluor® 700

Catalog Number: 56-0112

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

RUO: For Research Use Only



Staining of C57BL/6 bone marrow cells with 0.125 µg of Rat IgG2b κ Isotype Control Alexa Fluor® 700 (cat. 56-4031) (left) or 0.125 µg of Anti-Mouse CD11b Alexa Fluor® 700 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD11b Alexa Fluor® 700

REF **Catalog Number:** 56-0112

Clone: M1/70

Concentration: 0.2 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. Do not freeze. Light sensitive material.

LOT **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

This M1/70 antibody has been reported for use in flow cytometric analysis.

The Alexa Fluor® 700 emits at 723 nm and can be excited with the He-Ne 633 laser. Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochoime.

Applications Tested

This 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 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. 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

56-4031 Rat IgG2b K Isotype Control Alexa Fluor® 700

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