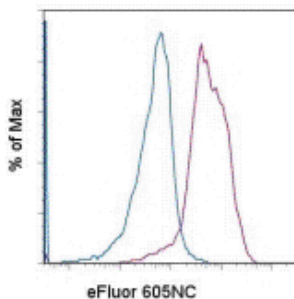


## Anti-Mouse CD11b eFluor<sup>®</sup> 605NC

**Catalog Number:** 93-0112

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

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of BALB/c bone marrow cells with Rat IgG2b K Isotype Control eFluor<sup>®</sup> 605NC (cat. 93-4031) (blue) or Anti-Mouse CD11b eFluor<sup>®</sup> 605NC (purple). Cells in the large scatter population were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD11b eFluor<sup>®</sup> 605NC

**REF** **Catalog Number:** 93-0112

**Clone:** M1/70

**Concentration:** 5  $\mu$ L

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

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

**Temperature Limitation:** Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.

**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 alphaM. CD11b non-covalently associates with CD18 to form alphaM-beta2 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.

### Applications Tested

This M1/70 antibody has been pre-titrated and tested by flow cytometric analysis of mouse bone marrow cells. This can be used at 5  $\mu$ L per test. A test is defined as the amount 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<sup>5</sup> to 10<sup>8</sup> cells/test.

\The isotype control eFluor 605NC rat IgG2b (cat. 93-4031) should be used at 5  $\mu$ L/test.

**Laser/Filter Recommendation:** When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

**Fixation Recommendation:** When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200  $\mu$ L of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

### References

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Whiteland JL, Nicholls SM, et al. 1995. Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. *J Histochem Cytochem.* 43(3):313-20. (IHC paraffin, PubMed)

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**Related Products**

00-4222 Flow Cytometry Staining Buffer

93-4031 Rat IgG2b K Isotype Control eFluor® 605NC

**Legal**

Under patent number: US 7,939,170 and additional pending patent application(s)

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