

# CD11b Monoclonal Antibody (M1/70), eFluor™ 450, eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_1582236

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	165 Publications

## Product Specific Information

**Description:** The M1/70 monoclonal antibody reacts with mouse CD11b, the 165-170 kDa integrin alphaM. CD11b non-covalently associates with CD18 to form alphaMbeta2 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.

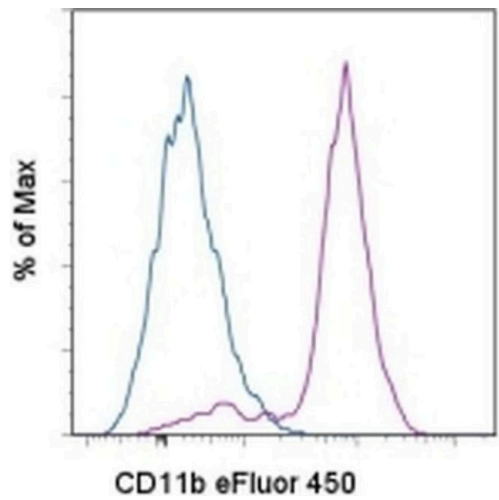
**Applications Tested:** This M1/70 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>4</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

**Excitation:** 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (M1/70), eFluor™ 450, eBioscience™



**CD11b Antibody (48-0112-82) in Flow**  
Staining of BALB/c bone marrow cells with 0.06 µg of Anti-Mouse CD11b eFluor® 450 (Product # 48-0112-82). Cells in the lymphoid (blue histogram) and myeloid (purple histogram) gates were used for analysis.

Immunohistochemistry (Paraffin) (1)

<p>The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society</p> <p><b>Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies.</b></p> <p>Authors: Whiteland JL,Nicholls SM,Shimeld C,Easty DL,Williams NA,Hill TJ</p>	<p>Year 1995</p>
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Immunocytochemistry (1)

<p>Nature communications</p> <p><b>Fat-associated lymphoid clusters control local IgM secretion during pleural infection and lung inflammation.</b></p> <p>"48-0112 was used in Immunofluorescence to reveal a link between inflammation, IL-33 release by FALC stromal cells, ILC2 activation and pleural B-cell activation in FALCs, resulting in local and antigen-specific IgM production."</p> <p>Authors: Jackson-Jones LH,Duncan SM,Magalhaes MS,Campbell SM,Maizels RM,McSorley HJ,Allen JE,Bénézech C</p>	<p>Year 2016</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
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Flow Cytometry (165)

<p>Journal of experimental &amp; clinical cancer research : CR</p> <p><b>Tumor cell-induced platelet aggregation accelerates hematogenous metastasis of malignant melanoma by triggering macrophage recruitment.</b></p> <p>"48-0112-82 was used in Flow Cytometry to find that TCIPA triggers the recruitment of tumor-associated macrophages (TAMs) to lung metastases by secreting B16 cell-educated platelet-derived chemokines such as CCL2, SDF-1, and IL-1."</p> <p>Authors: Chen Y,Zhou J,Liu Z,Wu T,Li S,Zhang Y,Yin X,Yang G,Zhang G</p>	<p>Year 2023</p> <p>Species Mouse</p>
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<p>Science advances</p> <p><b>VANGL2 inhibits antiviral IFN-I signaling by targeting TBK1 for autophagic degradation.</b></p> <p>"48-0112-82 was used in Flow Cytometry to reveal a negative feedback loop of type I interferon IFN-I signaling through the Van Gogh-like 2-TRIP-TBK1-OPTN axis and highlight the cross-talk between IFN-I and autophagy in preventing viral infection."</p> <p>Authors: Hu Z,Xie Y,Lu J,Yang J,Zhang J,Jiang H,Li H,Zhang Y,Wu D,Zeng K,Bai X,Yu X</p>	<p>Year 2023</p> <p>Species Human</p>
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