

# CD11b Monoclonal Antibody (M1/70), Alexa Fluor™ 700, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 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_657585

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	43 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	17 Publications
Flow Cytometry (Flow)	0.25 µg/test	269 Publications
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	-	2 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 splenocyte or bone marrow

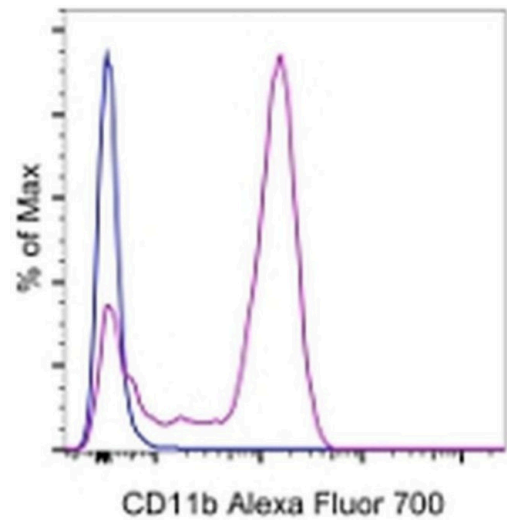
cell suspensions. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

**Product Images For CD11b Monoclonal Antibody (M1/70), Alexa Fluor™ 700, eBioscience™**



**CD11b Antibody (56-0112-82) in Flow**  
Staining of mouse bone marrow cells with 0.125 µg of Rat IgG2b K Isotype Control Alexa Fluor® 700 (Product # 56-4031-80) (blue histogram) or 0.125 µg of Anti-Mouse CD11b Alexa Fluor® 700 (purple histogram). Cells in the large scatter population were used for analysis.

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Immunohistochemistry (43)

<p>MedComm</p> <p><b>Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of <i>Pseudomonas aeruginosa</i>.</b></p> <p>"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry"</p> <p>Authors: Hu X,Wu M,Ma T,Zhang Y,Zou C,Wang R,Zhang Y,Ren Y,Li Q,Liu H,Li H,Wang T,Sun X,Yang Y,Tang M,Li X, Li J,Gao X,Li T,Zhou X</p>	<p>Year</p> <p>2022</p>
<p>Journal of inflammation research</p> <p><b>Dual Activity of Ginsenoside Rb1 in Hypertrophic Cardiomyocytes and Activated Macrophages: Implications for the Therapeutic Intervention of Cardiac Hypertrophy.</b></p> <p>"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry"</p> <p>Authors: Wang S,Cui Y,Xiong M,Li M,Wang P,Cui J,Du X,Chen Y,Zhang T</p>	<p>Year</p> <p>2022</p>

[View more IHC references on thermofisher.com](#)

Immunohistochemistry (PFA fixed) (4)

<p>Frontiers in cardiovascular medicine</p> <p><b>Serp-1 Promotes Corneal Wound Healing by Facilitating Re-epithelialization and Inhibiting Fibrosis and Angiogenesis.</b></p> <p>"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry (PFA fixed)"</p> <p>Authors: Ju B,Guo O,Benissan-Messan DZ,Shawver MH,Chen P,Geng B,Wei S,Yaron JR,Lucas AR,Zhu H</p>	<p>Year</p> <p>2022</p>
<p>Acta chirurgica brasileira</p> <p><b>Effect of IL-33 on pyroptosis of macrophages in mice with sepsis via NF-B/p38 MAPK signaling pathway.</b></p> <p>"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry (PFA fixed)"</p> <p>Authors: Ke J,Cai G</p>	<p>Year</p> <p>2021</p>

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More applications with references on thermofisher.com

- IHC (F) (2)
- ICC/IF (17)
- Flow (269)
- IP (1)
- Neu (2)

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