

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)	-	44 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	274 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

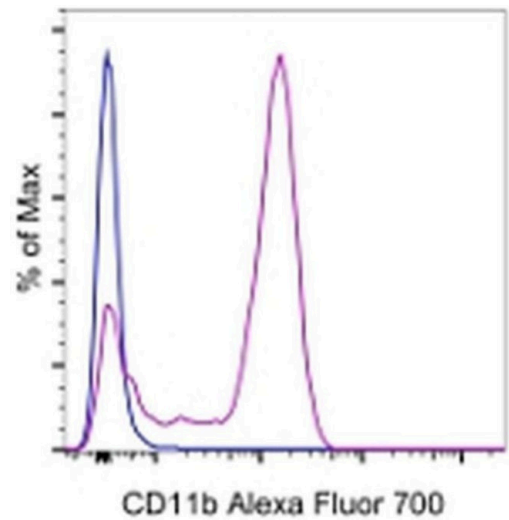
cell suspensions. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody 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 (44)

<p>MedComm</p> <p>Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of <i>Pseudomonas aeruginosa</i>.</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 2022</p>
<p>Science immunology</p> <p>cDC1 coordinate innate and adaptive responses in the omentum required for T cell priming and memory.</p> <p>"56-0112-82 was used in Immunohistochemistry to investigate how conventional type 1 dendritic cells (cDC1s) in the peritoneal cavity's omentum coordinate innate responses to microbial challenge and provide secondary signals required for CD8+ T cell expansion and memory formation, particularly after intraperitoneal immunization with Toxoplasma gondii."</p> <p>Authors: Christian DA,Adams TA,Shallberg LA,Phan AT,Smith TE,Abraha M,Perry J,Ruthel G,Clark JT,Pritchard GH, Aronson LR,Gossa S,McGavern DB,Kedl RM,Hunter CA</p>	<p>Year 2022</p> <p>Species Mouse</p>

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Immunohistochemistry (PFA fixed) (4)

<p>Frontiers in cardiovascular medicine</p> <p>Serp-1 Promotes Corneal Wound Healing by Facilitating Re-epithelialization and Inhibiting Fibrosis and Angiogenesis.</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 2022</p>
<p>Acta chirurgica brasileira</p> <p>Effect of IL-33 on pyroptosis of macrophages in mice with sepsis via NF-B/p38 MAPK signaling pathway.</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 2021</p>

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More applications with references on thermofisher.com

- IHC (F) (2)
- ICC/IF (17)
- Flow (274)
- IP (1)
- Neu (2)

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