

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
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)	-	38 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	16 Publications
Flow Cytometry (Flow)	0.25 µg/test	187 Publications
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	-	1 Publication

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.

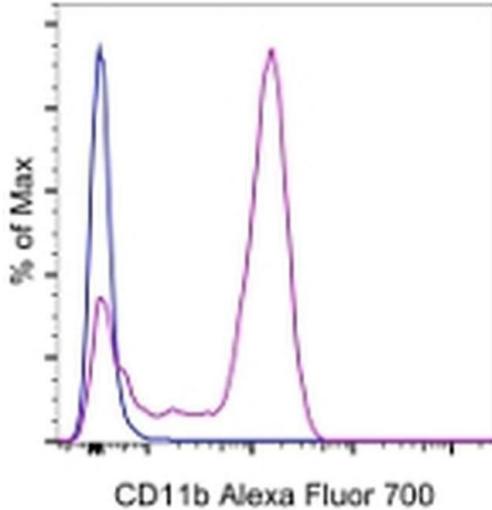
Applications Tested: This M1/70 antibody has been tested by flow cytometric analysis of mouse splenocyte or bone marrow cell suspensions. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 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.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunohistochemistry (38)

Journal of inflammation research

Dual Activity of Ginsenoside Rb1 in Hypertrophic Cardiomyocytes and Activated Macrophages: Implications for the Therapeutic Intervention of Cardiac Hypertrophy.

"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry"

Authors: Wang S,Cui Y,Xiong M,Li M,Wang P,Cui J,Du X,Chen Y,Zhang T

Species
Not Applicable

Dilution
Not Cited

Year
2022

International journal of molecular sciences

Mycobacterium tuberculosis Load in Host Cells and the Antibacterial Activity of Alveolar Macrophages Are Linked and Differentially Regulated in Various Lung Lesions of Patients with Pulmonary Tuberculosis.

"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry"

Authors: Ufimtseva EG,Eremeeva NI,Umpeleva TV,Vakhrusheva DV,Skorniyakov SN

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

Immunohistochemistry (PFA fixed) (2)

Frontiers in cardiovascular medicine

Serp-1 Promotes Corneal Wound Healing by Facilitating Re-epithelialization and Inhibiting Fibrosis and Angiogenesis.

"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry (PFA fixed)"

Authors: Ju B,Guo O,Benissan-Messan DZ,Shawver MH,Chen P,Geng B,Wei S,Yaron JR,Lucas AR,Zhu H

Species
Not Applicable

Dilution
Not Cited

Year
2022

Cells

Divergent Effects of G2019S and R1441C LRRK2 Mutations on LRRK2 and Rab10 Phosphorylations in Mouse Tissues.

"Published figure using CD11b monoclonal antibody (Product # 56-0112-82) in Immunohistochemistry (PFA fixed)"

Authors: Iannotta L,Biosa A,Kluss JH,Tombesi G,Kaganovich A,Cogo S,Plotegher N,Civiero L,Lobbstaef E,Baekelandt V,Cookson MR,Greggio E

Species
Not Applicable

Dilution
Not Cited

Year
2020

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IHC (F) (2) ICC/IF (16) Flow (187) IP (1) Neu (1)

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