

CD11b Monoclonal Antibody (M1/70), Alexa Fluor 488, 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 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	Alexa Fluor® 488
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469901

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	37 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	-
Immunocytochemistry (ICC/IF)	10 µg/mL	13 Publications
Flow Cytometry (Flow)	0.5 µg/test	185 Publications
Immunoprecipitation (IP)	-	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.

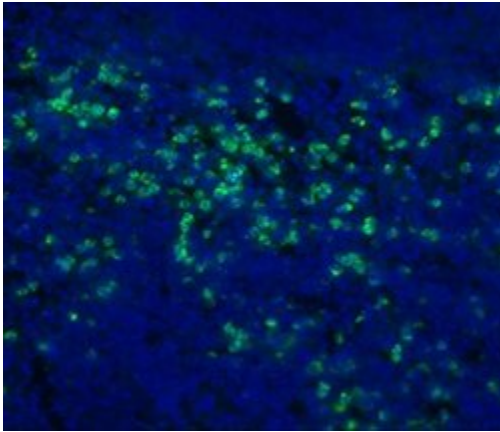
Applications Reported: This M1/70 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

Applications Tested: This M1/70 antibody has been tested by flow cytometric analysis of mouse splenocytes or bone marrow cells. This can be used at less than or equal to 0.5 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. The M1/70 antibody has been tested by immunohistochemistry of frozen tissue and can be used at less than or equal to 10 µg/mL. The M1/70 antibody is not recommended for immunohistochemistry of formalin-fixed paraffin embedded tissue. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser.

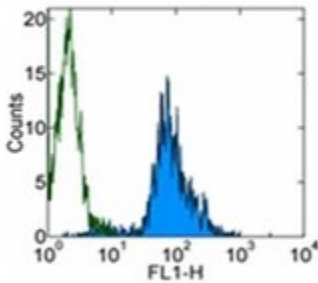
Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (M1/70), Alexa Fluor 488, eBioscience™



CD11b Antibody (53-0112-82) in IHC (F)

Immunohistochemistry of frozen mouse spleen using 10 µg/mL Anti-Mouse CD11b Alexa Fluor® 488. Nuclei are stained with DAPI.



CD11b Antibody (53-0112-82) in Flow

Staining of C57BL/6 bone marrow cells with staining buffer (autofluorescence) (open histogram) or 0.25 µg of Anti-Mouse CD11b Alexa Fluor® 488 (filled histogram). Cells in the large scatter population were used for analysis.

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

Western Blot (1)

Cancer research

Tristetraprolin Limits Inflammatory Cytokine Production in Tumor-Associated Macrophages in an mRNA Decay-Independent Manner.

"Published figure using CD11b monoclonal antibody (Product # 53-0112-82) in Western Blot"

Authors: Kratochvill F, Gratz N, Qualls JE, Van De Velde LA, Chi H, Kovarik P, Murray PJ

Species
Not Applicable

Dilution
Not Cited

Year
2015

Immunohistochemistry (37)

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 # 53-0112-82) 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
2021

Investigative ophthalmology & visual science

Light Environment Influences Developmental Programming of the Metabolic and Visual Systems in Mice.

"Published figure using CD11b monoclonal antibody (Product # 53-0112-82) in Immunohistochemistry"

Authors: Clarkson-Townsend DA, Bales KL, Marsit CJ, Pardue MT

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

Immunohistochemistry (PFA fixed) (1)

Cells

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

"Published figure using CD11b monoclonal antibody (Product # 53-0112-82) in Immunohistochemistry (PFA fixed)"

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

Species
Not Applicable

Dilution
Not Cited

Year
2020

More applications with references on thermofisher.com

ICC/IF (13)

Flow (185)

IP (1)

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