

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotope	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
Flow Cytometry (Flow)	0.5 µg/test	124 Publications
Immunocytochemistry (ICC)	10 µg/mL	-
Immunofluorescence (IF)	10 µg/mL	30 Publications
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	-
Immunohistochemistry (IHC)	-	15 Publications
Western Blot (WB)	-	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.

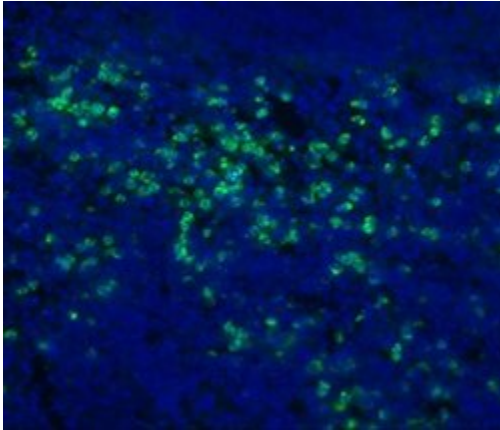
Applications Reported: This M1/70 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

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.

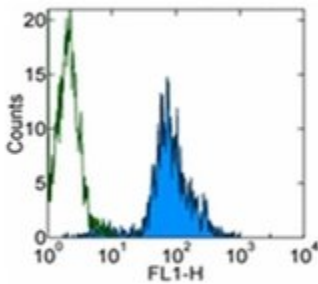
Filtration: 0.2 µm post-manufacturing filtered.

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)

Flow Cytometry (124)

Frontiers in immunology

Tp12 Protects Against Fulminant Hepatitis Through Mobilization of Myeloid-Derived Suppressor Cells.

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

Authors: Xu J,Pei S,Wang Y,Liu J,Qian Y,Huang M,Zhang Y,Xiao Y

Species
Not Applicable

Dilution
Not Cited

Year
2020

NPJ vaccines

Neutrophil swarming and extracellular trap formation play a significant role in Alum adjuvant activity.

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

Authors: Stephen J,Scales HE,Benson RA,Erben D,Garside P,Brewer JM

Species
Not Applicable

Dilution
Not Cited

Year
2020

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

Immunohistochemistry (15)

Frontiers in physiology

Macrophage Depletion Protects against Cigarette Smoke-Induced Inflammatory Response in the Mouse Colon and Lung.

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

Authors: Lim D,Kim W,Lee C,Bae H,Kim J

Species
Not Applicable

Dilution
Not Cited

Year
2020

JCI insight

Analysis of leukocyte transepithelial migration using an in vivo murine colonic loop model.

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

Authors: Flemming S,Luissint AC,Nusrat A,Parkos CA

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

More applications with references on thermofisher.com

IF (30) WB (1)

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