

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Dog, 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
Excitation/Emission Max	499/520 nm
Form	Liquid
Concentration	0.5 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_469901

Applications	Tested Dilution	Publications
Western Blot (WB)	-	3 Publications
Immunohistochemistry (IHC)	-	43 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	2 Publications
Immunocytochemistry (ICC/IF)	10 µg/mL	19 Publications
Flow Cytometry (Flow)	0.5 µg/test	265 Publications
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	-	2 Publications
Functional Assay (FN)	-	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.

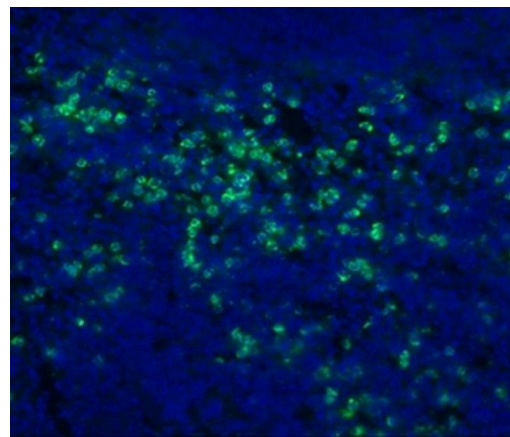
Applications Reported: This M1/70 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

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.

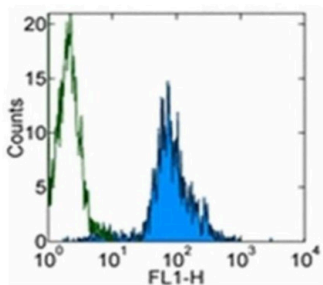
Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser.

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.

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Western Blot (3)

Cells	Year 2022
Influence of the Postmortem/Storage Time of Human Corneas on the Properties of Cultured Limbal Epithelial Cells.	
"Published figure using CD11b monoclonal antibody (Product # 53-0112-82) in Western Blot"	
Authors: Le-Bel G,Desjardins P,Gross C,Cortez Ghio S,Couture C,Germain L,Guérin SL	
Bioengineered	Year 2021
Circular RNA SMEK1 promotes neuropathic pain in rats through targeting microRNA-216a-5p to mediate Thioredoxin Interacting Protein (TXNIP) expression.	
"Published figure using CD11b monoclonal antibody (Product # 53-0112-82) in Western Blot"	
Authors: Xin Y,Song X,Ge Q	

View more WB references on thermofisher.com

Immunohistochemistry (43)

MedComm	Year 2022
Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of <i>Pseudomonas aeruginosa</i>.	
"Published figure using CD11b monoclonal antibody (Product # 53-0112-82) in Immunohistochemistry"	
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	
Journal of inflammation research	Year 2022
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	

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More applications with references on thermofisher.com

- IHC (PFA) (4)
- IHC (F) (2)
- ICC/IF (19)
- Flow (265)
- IP (1)
- Neu (2)
- FN (1)

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