

CD11b Monoclonal Antibody (M1/70), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	Biotin
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_466359

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	37 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	1 Publication
Immunocytochemistry (ICC/IF)	-	14 Publications
Flow Cytometry (Flow)	0.125 µg/test	226 Publications
Immunoprecipitation (IP)	-	1 Publication
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	10 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.

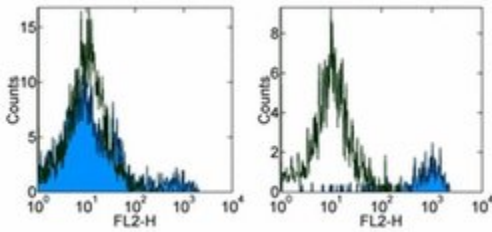
Applications Reported: This M1/70 antibody has been reported for use in flow cytometric analysis, and immunohistochemical

staining of frozen tissue sections. The M1/70 clone is not recommended for immunohistochemical staining of formalin-fixed paraffin embedded tissue.

Applications Tested: The 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 0.125 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.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (M1/70), Biotin, eBioscience™



CD11b Antibody (13-0112-82) in Flow

Staining of C57BL/6 bone marrow cells with 0.06 µg of Biotin Rat IgG2b kappa Isotype Control Biotin (Product # 13-4031-82) (open histogram) or 0.06 µg of Anti-Mouse CD11b Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphoid (left) or myeloid (right) populations were used for analysis.

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

Western Blot (2)

Cell reports

Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles.

"Published figure using CD11b monoclonal antibody (Product # 13-0112-82) in Immunoprecipitation"

Authors: Cianciaruso C,Beltraminelli T,Duval F,Nassiri S,Hamelin R,Mozes A,Gallart-Ayala H,Ceada Torres G,Torchia B,Ries CH,Ivanisevic J,De Palma M

Species
Not Applicable

Dilution
Not Cited

Year
2019

Cancer research

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

"Published figure using CD11b monoclonal antibody (Product # 13-0112-82) 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 # 13-0112-82) 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 # 13-0112-82) 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](#)

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IHC (PFA) (1)

IHC (F) (1)

ICC/IF (14)

Flow (226)

IP (1)

FN (1)

Misc (10)

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