

CD11b Monoclonal Antibody (M1/70), APC, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	APC
Form	Liquid
Concentration	0.2 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_469343

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	201 Publications
Immunofluorescence (IF)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry (IHC)	-	2 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.

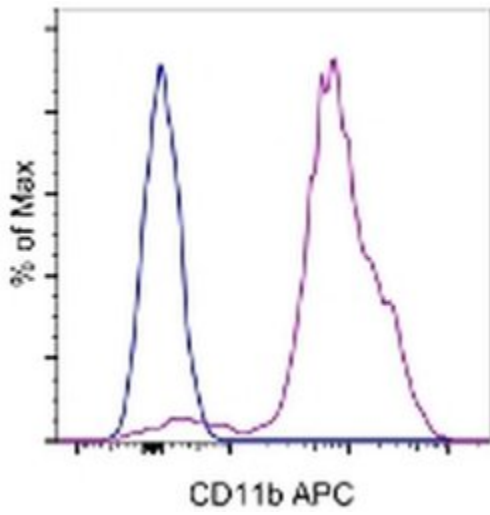
Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The M1/70 antibody has been tested by flow cytometric analysis of mouse splenocytes. 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD11b Antibody (17-0112-82) in Flow

Staining of mouse bone marrow cells with 0.06 µg of Rat IgG2b K Isotype Control APC (Product # 17-4031-82) (blue histogram) or 0.06 µg of Anti-Mouse CD11b APC (purple histogram). Cells in the large scatter population were used for analysis.

Flow Cytometry (201)

Frontiers in pharmacology

C5a Regulates IL-1 Production and Leukocyte Recruitment in a Murine Model of Monosodium Urate Crystal-Induced Peritonitis.

"17-0112 was used in Flow cytometry/Cell sorting to study the role of monosodium urate-mediated complement activation in IL-1B release and the molecular characteristics of the complement cascade."

Authors: Khameneh HJ, Ho AW, Laudisi F, Derks H, Kandasamy M, Sivasankar B, Teng GG, Mortellaro A

Species
Mouse

Dilution
Not Cited

Year
2020

Oncoimmunology

Azacytidine prevents experimental xenogeneic graft-versus-host disease without abrogating graft-versus-leukemia effects.

"17-0112 was used in Flow cytometry/Cell sorting to investigate the impact of 5-azacytidine on xenogeneic graft-vs.-host disease and graft-vs.-leukaemia effects in a humanised murine model of transplantation."

Authors: Ehx G, Fransolet G, de Leval L, D'Hondt S, Lucas S, Hannon M, Delens L, Dubois S, Drion P, Beguin Y, Humblet-Baron S, Baron F

Species
Mouse

Dilution
Not Cited

Year
2020

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

Immunofluorescence (2)

Nature communications

Fat-associated lymphoid clusters control local IgM secretion during pleural infection and lung inflammation.

"17-0112 was used in Immunofluorescence to reveal a link between inflammation, IL-33 release by FALC stromal cells, ILC2 activation and pleural B-cell activation in FALCs, resulting in local and antigen-specific IgM production."

Authors: Jackson-Jones LH, Duncan SM, Magalhaes MS, Campbell SM, Maizels RM, McSorley HJ, Allen JE, Bénézech C

Species
Mouse

Dilution
1:800

Year
2016

Ophthalmology and eye diseases

Stratification of Antigen-presenting Cells within the Normal Cornea.

"17-0112 was used in Immunofluorescence on whole-mounted tissues to investigate the presence of antigen-presenting cells within the non-inflamed cornea."

Authors: Knickelbein JE, Watkins SC, McMenamin PG, Hendricks RL

Species
Mouse

Dilution
Not Cited

Year
2009

More applications with references on thermofisher.com

[IHC \(F\) \(1\)](#)

[IHC \(2\)](#)

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