

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	0.2 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_469343

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	0.125 µg/test	308 Publications
in situ PLA (PLA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	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.

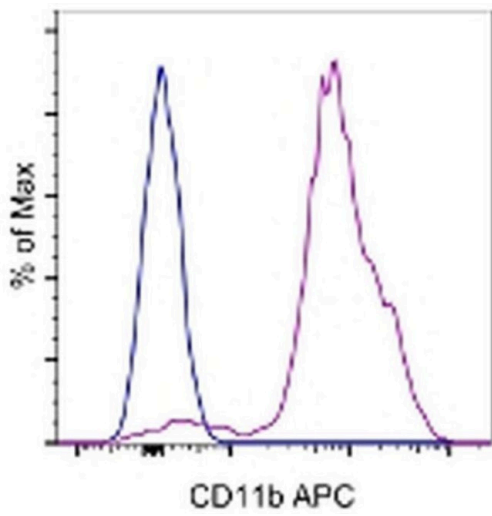
Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

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.

Immunohistochemistry (3)

Glia

NFκB-signaling promotes glial reactivity and suppresses Müller glia-mediated neuron regeneration in the mammalian retina.

"17-0112-82 was used in Immunohistochemistry to conclude that NFκB is a key signaling hub that is activated in Müller glia (MG) after damage, mediates the accumulation of immune cells, and suppresses the neurogenic potential of MG."

Authors: Palazzo I, Todd LJ, Hoang TV, Reh TA, Blackshaw S, Fischer AJ

Year
2022

Species
Mouse

Dilution
1:1,000

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

Year
2009

Species
Mouse

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

Immunohistochemistry (Frozen) (1)

BMC immunology

Dendritic cell immunoreceptor 1 alters neutrophil responses in the development of experimental colitis.

"17-0112 was used in Immunohistochemistry on frozen tissues to investigate the role of Dcir1 in intestinal immune responses during colitis."

Authors: Tokieda S, Komori M, Ishiguro T, Iwakura Y, Takahara K, Inaba K

Year
2015

Species
Mouse

Immunocytochemistry (3)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

Trafficking of a multifunctional protein by endosomal microautophagy: linking two independent unconventional secretory pathways.

"17-0112-82 was used in Immunocytochemistry to demonstrate that GAPDH mobilized to the PM, and the ECM does not utilize the classic endoplasmic reticulum-Golgi route of secretion."

Authors: Chauhan AS, Kumar M, Chaudhary S, Dhiman A, Patidar A, Jakhar P, Jaswal P, Sharma K, Sheokand N, Malhotra H, Raje CI, Raje M

Year
2019

Species
Mouse

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Flow (308)

PLA (1)

Misc (1)

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