

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
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)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.125 µg/test	256 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.

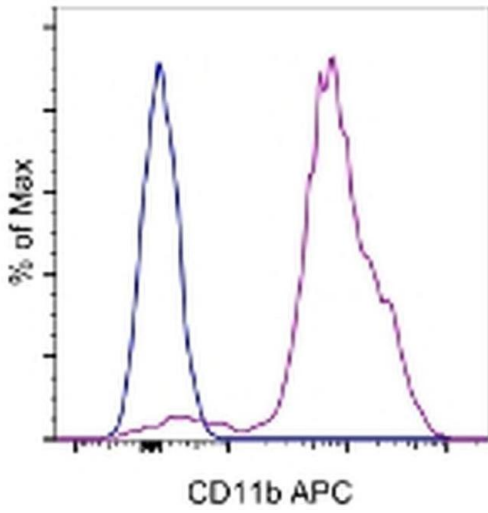
Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

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.

Immunohistochemistry (2)

Ophthalmology and eye diseases

Stratification of Antigen-presenting Cells within the Normal Cornea.

"17-0112 was used in Immunofluorescence on wholemounted 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

Journal of immunology (Baltimore, Md. : 1950)

Inflammatory regulation by TLR3 in acute hepatitis.

"17-0112 was used in Immunohistochemistry to observe a novel role for TLR3 in hepatocyte damage in the absence of a viral stimulus in a murine model of hepatitis."

Authors: Xiao X,Zhao P,Rodriguez-Pinto D,Qi D,Henegariu O,Alexopoulou L,Flavell RA,Wong FS,Wen L

Species
Mouse

Dilution
Not Cited

Year
2009

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

Species
Mouse

Dilution
Not Cited

Year
2015

Immunocytochemistry (2)

Immunity

Microbiota Sensing by Mincle-Syk Axis in Dendritic Cells Regulates Interleukin-17 and -22 Production and Promotes Intestinal Barrier Integrity.

"17-0112-82 was used in Immunocytochemistry to conclude that sensing of commensals by Mincle and Syk signaling in CD11c+ cells reinforces intestinal immune barrier and promotes host-microbiota mutualism, preventing systemic inflammation."

Authors: Martínez-López M,Iborra S,Conde-Garrosa R,Mastrangelo A,Danne C,Mann ER,Reid DM,Gaboriau-Routhiau V,Chaparro M,Lorenzo MP,Minnerup L,Saz-Leal P,Slack E,Kemp B,Gisbert JP,Dzionek A,Robinson MJ,Rupérez FJ,Cerf-Bensussan N,Brown GD,Bernardo D,LeibundGut-Landmann S,Sancho D

Species
Mouse

Dilution
Not Cited

Year
2019

More applications with references on thermofisher.com

Flow (256)

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