

CD11b Monoclonal Antibody (M1/70), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	PE
Excitation/Emission Max	565/576 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_2734869

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.125 µg/test	500 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.

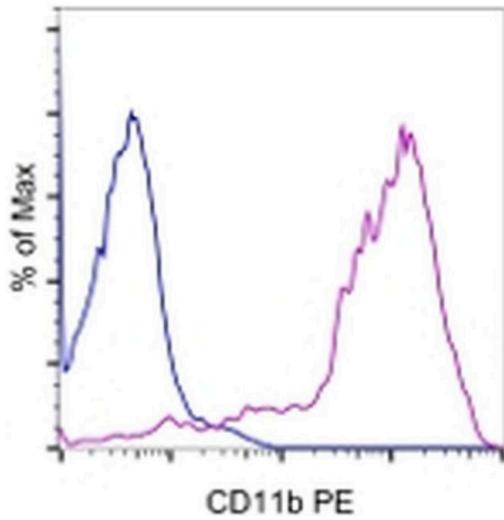
Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

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

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD11b Antibody (12-0112-82) in Flow

Staining of mouse bone marrow cells with 0.06 µg of Rat IgG2b K Isotype Control PE (Product # 12-4031-82) (blue histogram) or 0.06 µg of Anti-Mouse CD11b PE (purple histogram). Cells in the large scatter population were used for analysis.

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Immunohistochemistry (3)

Journal of the American Society of Nephrology : JASN

Cellular and Molecular Mechanisms of Kidney Injury in 2,8-Dihydroxyadenine Nephropathy.

"12-0112 was used in Immunohistochemistry to assess the pathogenic sequelae of 2,8-DHA crystal-induced kidney damage."

Authors: Klinkhammer BM,Djudjaj S,Kunter U,Palsson R,Edvardsson VO,Wiech T,Thorsteinsdottir M,Hardarson S,Foresto-Neto O,Mulay SR,Moeller MJ,Jahren-Dechent W,Floege J,Anders HJ,Boor P

Year
2020

Species
Mouse

Journal of immunological methods

Improved serum-free culture conditions for spleen-derived murine fibrocytes.

"12-0112 was used in Flow cytometry/Cell sorting to develop an optimised method of differentiating spleen-derived murine fibrocytes over five days."

Authors: Crawford JR,Pilling D,Gomer RH

Year
2010

Species
Mouse

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

Immunohistochemistry (Frozen) (2)

EMBO molecular medicine

VEGF blockade enhances the antitumor effect of BRAFV600E inhibition.

"12011282 was used in immunohistochemistry - frozen section to show that although targeted inhibition of either BRAF or VEGF initially suppresses the growth of BRAF-mutant tumors, combined inhibition of both pathways results in apoptosis and long-lasting tumor responses"

Authors: Comunanza V,Corà D,Orso F,Consonni FM,Middonti E,Di Nicolantonio F,Buzdin A,Sica A,Medico E,Sangiolo D,Taverna D,Bussolino F

Year
2017

Species
Human

PloS one

Neutrophils contribute to excess serum BAFF levels and promote CD4+ T cell and B cell responses in lupus-prone mice.

"12-0112 was used in Flow cytometry/Cell sorting to analyse the phenotype, localisation and function of neutrophils in the spleens of healthy mice and congenic lupus-prone mice."

Authors: Coquery CM,Wade NS,Loo WM,Kinchen JM,Cox KM,Jiang C,Tung KS,Erickson LD

Year
2015

Species
Mouse

More applications with references on thermofisher.com

[ICC/IF \(2\)](#)

[Flow \(500\)](#)

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