

CD11b Monoclonal Antibody (M1/70), PE-Cyanine7, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	PE-Cyanine7
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_469588

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	129 Publications
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: This M1/70 antibody has been reported for use in flow cytometric analysis.

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

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

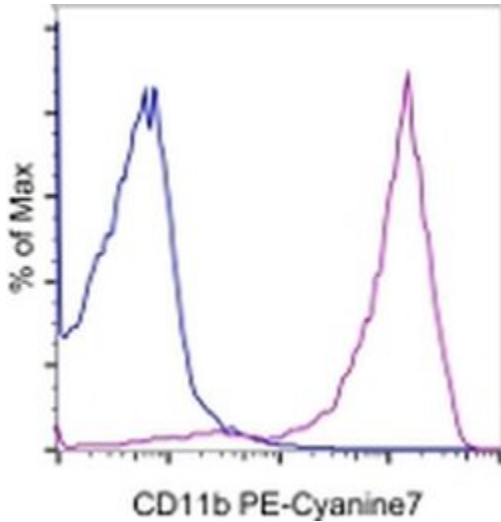
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 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-Cyanine7, eBioscience™



CD11b Antibody (25-0112-82) in Flow

Staining of mouse bone marrow cells with 0.06 µg of Rat IgG2b K Isotype Control PE-Cyanine7 (Product # 25-4031-82) (blue histogram) or 0.06 µg of Anti-Mouse CD11b PE-Cyanine7 (purple histogram). Cells in the large scatter population were used for analysis.

Flow Cytometry (129)

NPJ vaccines

Neutrophil swarming and extracellular trap formation play a significant role in Alum adjuvant activity.

Authors: Stephen J,Scales HE,Benson RA,Erben D,Garside P,Brewer JM

Species
Mouse

Dilution
1:200

Year
2020

Frontiers in immunology

Induction of Broad-Spectrum Protective Immunity against Disparate *Cryptococcus* Serotypes.

Authors: Van Dyke MCC,Chaturvedi AK,Hardison SE,Leopold Wager CM,Castro-Lopez N,Hole CR,Wozniak KL,Wormley FL

Species
Mouse

Dilution
Not Cited

Year
2019

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

Miscellaneous PubMed (1)

Journal of immunology (Baltimore, Md. : 1950)

SWAP-70 restricts spontaneous maturation of dendritic cells.

"25-0112 was used in Flow cytometry/Cell sorting to study the mechanisms and signals that produce mature DCs."

Authors: Ocaña-Morgner C,Götz A,Wahren C,Jessberger R

Species
Mouse

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

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