

CD11b Monoclonal Antibody (M1/70), eFluor 450, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), eFluor 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	eFluor® 450
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_1582236

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	193 Publications
Immunofluorescence (IF)	-	27 Publications
Immunohistochemistry (IHC)	-	12 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	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 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.

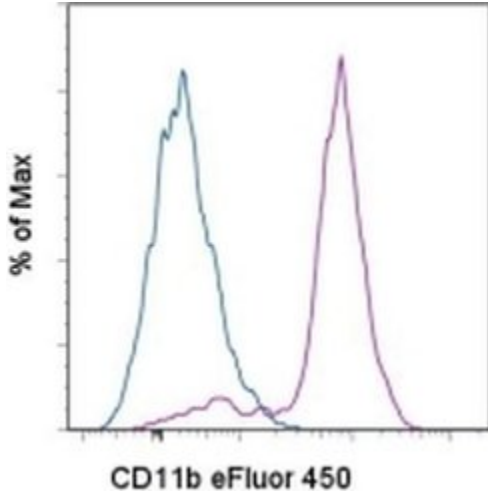
eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please

make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (M1/70), eFluor 450, eBioscience™



CD11b Antibody (48-0112-82) in Flow

Staining of BALB/c bone marrow cells with 0.06 µg of Anti-Mouse CD11b eFluor® 450 (Product # 48-0112-82). Cells in the lymphoid (blue histogram) and myeloid (purple histogram) gates were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Flow Cytometry (193)

Frontiers in immunology

ATP-Induced Inflammasome Activation and Pyroptosis Is Regulated by AMP-Activated Protein Kinase in Macrophages.

"Published figure using CD11b monoclonal antibody (Product # 48-0112-82) in Flow Cytometry"

Authors: Zha QB,Wei HX,Li CG,Liang YD,Xu LH,Bai WJ,Pan H,He XH,Ouyang DY

Species
Not Applicable

Dilution
Not Cited

Year
2019

Frontiers in physiology

Macrophage Depletion Protects against Cigarette Smoke-Induced Inflammatory Response in the Mouse Colon and Lung.

"Published figure using CD11b monoclonal antibody (Product # 48-0112-82) in Flow Cytometry"

Authors: Lim D,Kim W,Lee C,Bae H,Kim J

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Immunohistochemistry (12)

Frontiers in physiology

Macrophage Depletion Protects against Cigarette Smoke-Induced Inflammatory Response in the Mouse Colon and Lung.

"Published figure using CD11b monoclonal antibody (Product # 48-0112-82) in Flow Cytometry"

Authors: Lim D,Kim W,Lee C,Bae H,Kim J

Species
Not Applicable

Dilution
Not Cited

Year
2019

Aging and disease

The Synergy of Aging and LPS Exposure in a Mouse Model of Parkinson's Disease.

"Published figure using CD11b monoclonal antibody (Product # 48-0112-82) in Immunofluorescence"

Authors: Zhao YF,Zhang JF,Lou ZY,Zu HB,Wang ZG,Zeng WC,Xiao BG

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

More applications with references on thermofisher.com

IF (27) IHC (P) (1)

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