CD11b Monoclonal Antibody (M1/70), Alexa Fluor™ 532, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Alexa Fluor™ 532, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	Alexa Fluor™ 532
Excitation/Emission Max	534/553 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_2811905

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	13 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	6 Publications
Flow Cytometry (Flow)	0.5 µg/test	111 Publications
Neutralization (Neu)	-	2 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: This M1/70 antibody has been reported for use in flow cytometric analysis.

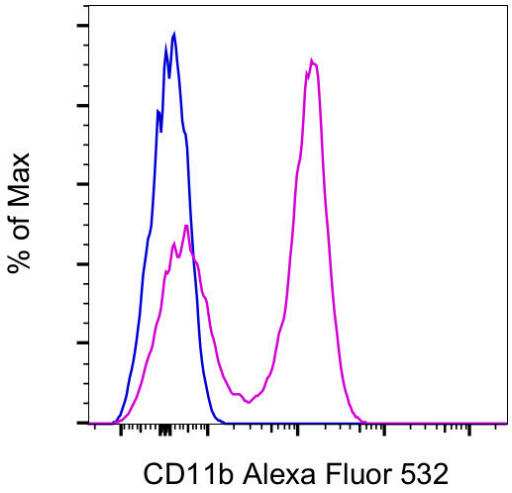
Applications Tested: This M1/70 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This may

be used at less than or equal to 0.5 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Alexa Fluor 532 is excited with the Green laser (532 nm) and emits at 561 nm. This cannot be used with the Yellow-Green laser (561 nm). We recommend using a 560/14 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 532 nm; Emission: 561 nm; Laser: Green Laser

Product Images For CD11b Monoclonal Antibody (M1/70), Alexa Fluor™ 532, eBioscience™



CD11b Antibody (58-0112-82) in Flow
BALB/c mouse bone marrow cells were stained with 0.25 µg of Rat IgG2b kappa Isotype Control, Alexa Fluor 532 (Product # 58-4031-80) (blue histogram) or 0.25 µg of CD11b Monoclonal Antibody, Alexa Fluor 532 (purple histogram). Cells in the large scatter population were used for analysis.

View more figures on thermofisher.cn

139 References

Western Blot (1)

Cells

Year
2022

Influence of the Postmortem/Storage Time of Human Corneas on the Properties of Cultured Limbal Epithelial Cells.

"Published figure using CD11b monoclonal antibody (Product # 58-0112-82) in Western Blot"

Authors: Le-Bel G,Desjardins P,Gross C,Cortez Ghio S,Couture C,Germain L,Guérin SL

Immunohistochemistry (13)

MedComm

Year
2022

Single-cell transcriptomics reveals distinct cell response between acute and chronic pulmonary infection of *Pseudomonas aeruginosa*.

"Published figure using CD11b monoclonal antibody (Product # 58-0112-82) in Immunohistochemistry"

Authors: Hu X,Wu M,Ma T,Zhang Y,Zou C,Wang R,Zhang Y,Ren Y,Li Q,Liu H,Li H,Wang T,Sun X,Yang Y,Tang M,Li X, Li J,Gao X,Li T,Zhou X

Journal of inflammation research

Year
2022

Dual Activity of Ginsenoside Rb1 in Hypertrophic Cardiomyocytes and Activated Macrophages: Implications for the Therapeutic Intervention of Cardiac Hypertrophy.

"Published figure using CD11b monoclonal antibody (Product # 58-0112-82) in Immunohistochemistry"

Authors: Wang S,Cui Y,Xiong M,Li M,Wang P,Cui J,Du X,Chen Y,Zhang T

View more IHC references on thermofisher.cn

Immunohistochemistry (PFA fixed) (4)

Frontiers in cardiovascular medicine

Year
2022

Serp-1 Promotes Corneal Wound Healing by Facilitating Re-epithelialization and Inhibiting Fibrosis and Angiogenesis.

"Published figure using CD11b monoclonal antibody (Product # 58-0112-82) in Immunohistochemistry (PFA fixed)"

Authors: Ju B,Guo O,Benissan-Messan DZ,Shawver MH,Chen P,Geng B,Wei S,Yaron JR,Lucas AR,Zhu H

View more IHC (PFA) references on thermofisher.cn

More applications with references on thermofisher.cn

IHC (F) (2) ICC/IF (6) Flow (111) Neu (2)

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