

CD11b Monoclonal Antibody (M1/70), eFluorTM 450, eBioscienceTM

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), eFluor TM 450, eBioscience TM
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	eFluor TM 450
Excitation/Emission Max	405/445 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_1582236

Applications

Tested Dilution

Publications

Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	165 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.

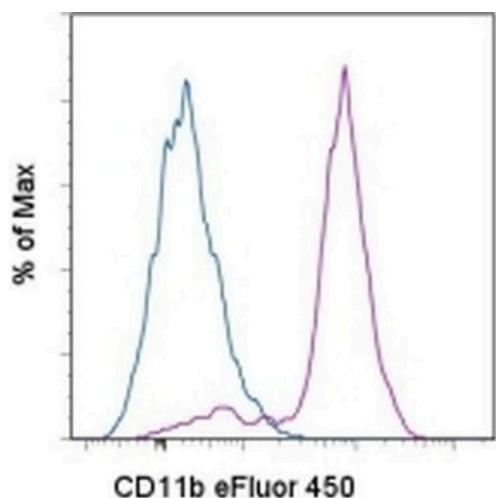
Applications Tested: This M1/70 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should 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 μ m post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (M1/70), eFluorTM 450, eBioscienceTM



CD11b Antibody (48-0112-82) in Flow

Staining of BALB/c bone marrow cells with 0.06 μ g 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.

Immunohistochemistry (Paraffin) (1)

The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society

Year
1995

Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies.

Authors: Whiteland JL,Nicholls SM,Shimeld C,Easty DL,Williams NA,Hill TJ

Immunocytochemistry (1)

Nature communications

Year
2016

Fat-associated lymphoid clusters control local IgM secretion during pleural infection and lung inflammation.

Species
Mouse

"48-0112 was used in Immunofluorescence to reveal a link between inflammation, IL-33 release by FALC stromal cells, ILC2 activation and pleural B-cell activation in FALCs, resulting in local and antigen-specific IgM production."

Dilution
1:200

Authors: Jackson-Jones LH,Duncan SM,Magalhaes MS,Campbell SM,Maizels RM,McSorley HJ,Allen JE,Bénézech C

Flow Cytometry (165)

Journal of experimental & clinical cancer research : CR

Year
2023

Tumor cell-induced platelet aggregation accelerates hematogenous metastasis of malignant melanoma by triggering macrophage recruitment.

Species
Mouse

"48-0112-82 was used in Flow Cytometry to find that TCIPA triggers the recruitment of tumor-associated macrophages (TAMs) to lung metastases by secreting B16 cell-educated platelet-derived chemokines such as CCL2, SDF-1, and IL-1."

Authors: Chen Y,Zhou J,Liu Z,Wu T,Li S,Zhang Y,Yin X,Yang G,Zhang G

Science advances

Year
2023

VANGL2 inhibits antiviral IFN-I signaling by targeting TBK1 for autophagic degradation.

Species
Human

"48-0112-82 was used in Flow Cytometry to reveal a negative feedback loop of type I interferon IFN-I signaling through the Van Gogh-like 2-TRIP-TBK1-OPN axis and highlight the cross-talk between IFN-I and autophagy in preventing viral infection."

Authors: Hu Z,Xie Y,Lu J,Yang J,Zhang J,Jiang H,Li H,Zhang Y,Wu D,Zeng K,Bai X,Yu X

View more Flow references on thermofisher.cn

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