

CD11b Monoclonal Antibody (M1/70), FITC, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Ferret, Yeast, Hamster, Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 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_464935

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	195 Publications
Neutralization (Neu)	-	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.

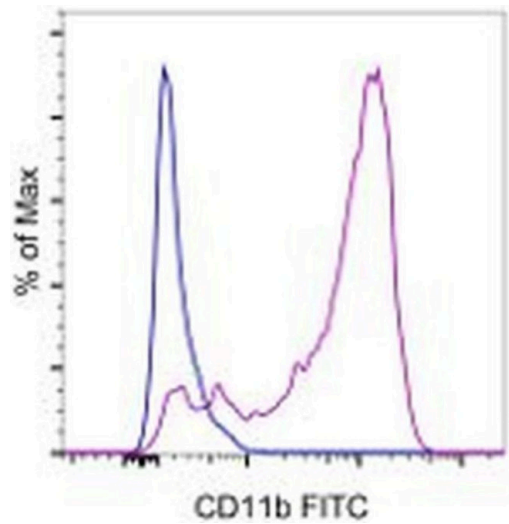
Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This M1/70 antibody is offered in 2 formats: - µg size: has been tested by flow cytometric analysis of mouse splenocytes and bone marrow cells. This can be used at less than or equal to 0.5 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. - test size: has been pre-titrated and tested by flow cytometric analysis of mouse splenocytes and bone marrow cells. This can be used at 5 µL (0.25 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD11b Antibody (11-0112-82) in Flow
Staining of mouse bone marrow cells with 0.25 µg of Rat IgG2b K Isotype Control FITC (Product # 11-4031-82) (blue histogram) or 0.25 µg of Anti-Mouse CD11b FITC (purple histogram). Cells in the large scatter population were used for analysis.

Immunohistochemistry (4)

<p>NPJ Regenerative medicine</p> <p>Differential activation of Ca²⁺ influx channels modulate stem cell potency, their proliferation/viability and tissue regeneration.</p> <p>"11-0112-82 was used in Immunohistochemistry to establish the molecular identity of the calcium channel in MSCs and also show their role in modulating stem cell function."</p> <p>Authors: Ahamad N,Sun Y,Nascimento Da Conceicao V,Xavier Paul Ezhilan CRD,Natarajan M,Singh BB</p>	<p>Year 2021</p> <p>Species Mouse</p>
<p>Immunity</p> <p>Blockade of the Phagocytic Receptor MerTK on Tumor-Associated Macrophages Enhances P2X7R-Dependent STING Activation by Tumor-Derived cGAMP.</p> <p>"11-0112-82 was used in Immunohistochemistry,Flow Cytometry to examine the effect of blocking apoptotic cell clearance on anti-tumor immune response."</p> <p>Authors: Zhou Y,Fei M,Zhang G,Liang WC,Lin W,Wu Y,Piskol R,Ridgway J,McNamara E,Huang H,Zhang J,Oh J,Patel JM,Jakubiak D,Lau J,Blackwood B,Bravo DD,Shi Y,Wang J,Hu HM,Lee WP,Jesudason R,Sangaraju D,Modrusan Z,Anderson KR,Warming S,Roose-Girma M,Yan M</p>	<p>Year 2020</p> <p>Species Mouse</p>

View more IHC references on thermofisher.com

Immunohistochemistry (Frozen) (1)

<p>Cancer science</p> <p>Cancer-associated fibroblast-targeted strategy enhances antitumor immune responses in dendritic cell-based vaccine.</p> <p>"11-0112 was used in Flow cytometry/Cell sorting to study the immunosuppressive trait of CAFs, and systematically explore the alteration of tumour-associated immune responses by CAF-targeted therapy."</p> <p>Authors: Ohshio Y,Teramoto K,Hanaoka J,Tezuka N,Itoh Y,Asai T,Daigo Y,Ogasawara K</p>	<p>Year 2015</p> <p>Species Mouse</p>
--	---

Flow Cytometry (195)

<p>The Journal of investigative dermatology</p> <p>CD8+ T Cells Trigger Auricular Dermatitis and Blepharitis in Mice after Zika Virus Infection in the Absence of CD4+ T Cells.</p> <p>"11-0112-82 was used in Flow cytometry/Cell sorting to suggest a role for CD8+ T-cell?associated pathologies after ZIKV infection in CD4+ T-cell?immunodeficient patients."</p> <p>Authors: Lee CY,Carissimo G,Teo TH,Tong SJM,Chang ZW,Rajarethinam R,Chua TK,Chen Z,Chee RS,Tay A,Howland SW,Ang KS,Chen J,Renia L,Ng LFP</p>	<p>Year 2023</p> <p>Species Mouse</p>
---	---

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

Neu (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.