

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Dog, Fish, Mouse, Human
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	PE
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_2734869

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	309 Publications
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	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.

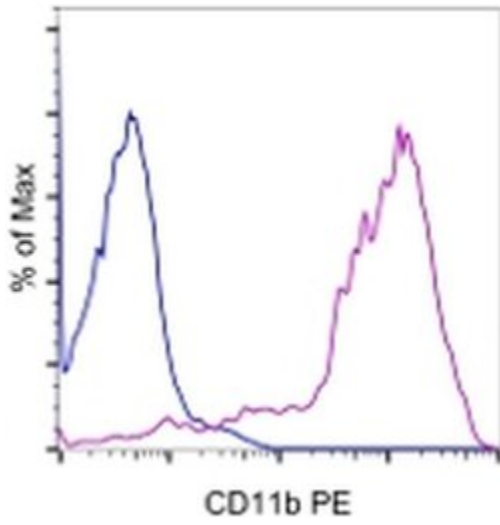
Applications Reported: The M1/70 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The M1/70 antibody has been tested by flow cytometric analysis of mouse splenocytes or 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; Emission: 578 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, eBioscience™



### CD11b Antibody (12-0112-82) in Flow

Staining of mouse bone marrow cells with 0.06 µg of Rat IgG2b K Isotype Control PE (Product # 12-4031-82) (blue histogram) or 0.06 µg of Anti-Mouse CD11b PE (purple histogram). Cells in the large scatter population were used for analysis.

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

## Flow Cytometry (309)

Frontiers in immunology

### Tp12 Protects Against Fulminant Hepatitis Through Mobilization of Myeloid-Derived Suppressor Cells.

"Published figure using CD11b monoclonal antibody (Product # 12-0112-82) in Flow Cytometry"

Authors: Xu J,Pei S,Wang Y,Liu J,Qian Y,Huang M,Zhang Y,Xiao Y

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

NPJ vaccines

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

"Published figure using CD11b monoclonal antibody (Product # 12-0112-82) in Flow Cytometry"

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

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

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

## Immunohistochemistry (Frozen) (2)

EMBO molecular medicine

### VEGF blockade enhances the antitumor effect of BRAFV600E inhibition.

"12011282 was used in immunohistochemistry - frozen section to show that although targeted inhibition of either BRAF or VEGF initially suppresses the growth of BRAF-mutant tumors, combined inhibition of both pathways results in apoptosis and long-lasting tumor responses"

Authors: Comunanza V,Corà D,Orso F,Consonni FM,Middonti E,Di Nicolantonio F,Buzdin A,Sica A,Medico E,Sangiolo D,Taverna D,Bussolino F

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2017

PloS one

### Neutrophils contribute to excess serum BAFF levels and promote CD4+ T cell and B cell responses in lupus-prone mice.

"12-0112 was used in Flow cytometry/Cell sorting to analyse the phenotype, localisation and function of neutrophils in the spleens of healthy mice and congenic lupus-prone mice."

Authors: Coquery CM,Wade NS,Loo WM,Kinchen JM,Cox KM,Jiang C,Tung KS,Erickson LD

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2015

## More applications with references on thermofisher.com

**IF (1)** **IHC (2)**

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.