

# CD11b Monoclonal Antibody (M1/70), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M1/70
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466359

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	157 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	1 Publication
Functional Assay (FN)	-	1 Publication
Immunofluorescence (IF)	-	29 Publications
Immunohistochemistry (IHC)	-	15 Publications
Miscellaneous PubMed (Misc)	-	11 Publications
Western Blot (WB)	-	1 Publication

## Product Specific Information

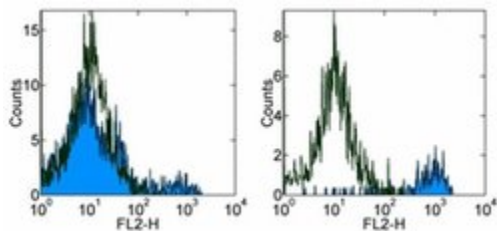
Description: The M1/70 monoclonal antibody reacts with mouse CD11b, the 165-170 kDa integrin alphaM. CD11b non-covalently associates with CD18 to form alphaMbeta2 integrin (Mac-1) and binds to CD54 (ICAM-1), C3bi, and fibrinogen. Mac-1 is expressed by macrophages, NK cells, granulocytes, activated lymphocytes 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, and immunohistochemical staining of frozen tissue sections. The M1/70 clone is not recommended for immunohistochemical staining of formalin-fixed paraffin embedded tissue.

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.

Filtration: 0.2 µm post-manufacturing filtered.

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



### CD11b Antibody (13-0112-82) in Flow

Staining of C57BL/6 bone marrow cells with 0.06 µg of Biotin Rat IgG2b kappa Isotype Control Biotin (Product # 13-4031-82) (open histogram) or 0.06 µg of Anti-Mouse CD11b Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphoid (left) or myeloid (right) populations were used for analysis.

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

## Flow Cytometry (157)

Frontiers in immunology

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

"Published figure using CD11b monoclonal antibody (Product # 13-0112-82) 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 # 13-0112-82) 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 (15)

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 # 13-0112-82) in Flow Cytometry"

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

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

JCI insight

### Analysis of leukocyte transepithelial migration using an in vivo murine colonic loop model.

"Published figure using CD11b monoclonal antibody (Product # 13-0112-82) in Immunofluorescence"

Authors: Flemming S,Luissint AC,Nusrat A,Parkos CA

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2018

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

## More applications with references on thermofisher.com

Misc (11)

IF (29)

IHC (F) (1)

WB (1)

FN (1)

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