

# CD11c Monoclonal Antibody (N418), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	N418
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_466363

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	12 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	9 Publications
Immunocytochemistry (ICC/IF)	-	7 Publications
Flow Cytometry (Flow)	0.5 µg/test	104 Publications
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	11 Publications

## Product Specific Information

Description: The N418 monoclonal antibody reacts with mouse CD11c, the integrin alphaX. CD11c non-covalently associates with beta2 integrin to form the CD11c/CD18 heterodimer. CD11c is expressed by dendritic cells, a subset of Intestinal Intraepithelial Lymphocytes (IEL) and some activated T cells. CD11c/CD18 binds to CD54, iC3b and fibrinogen and plays a role in leukocyte adhesive interactions. N418 binds to CD11c on splenic dendritic cells in the T-dependent areas of mouse spleen and precipitates a 150, 90 kDa heterodimer.

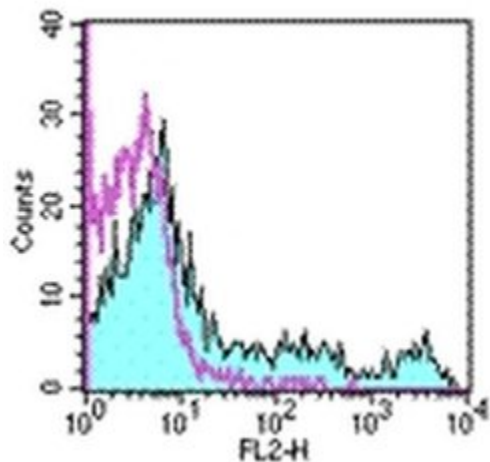
Applications Reported: The N418 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The N418 antibody has been tested by flow cytometric analysis of mouse splenocytes. 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  $\mu$ L. 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.

Filtration: 0.2  $\mu$ m post-manufacturing filtered.

## Product Images For CD11c Monoclonal Antibody (N418), Biotin, eBioscience™



### CD11c Antibody (13-0114-82) in Flow

Staining of C57BL/6 splenocytes with 0.25  $\mu$ g of Armenian Hamster IgG Isotype Control Biotin (Product # 13-4888-81) (open histogram) or 0.25  $\mu$ g of Anti-Mouse CD11c Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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## Immunohistochemistry (12)

EMBO molecular medicine

### Glufosinate constrains synchronous and metachronous metastasis by promoting anti-tumor macrophages.

"Published figure using CD11c monoclonal antibody (Product # 13-0114-82) in Flow Cytometry"

Authors: Menga A, Serra M, Todisco S, Riera-Domingo C, Ammarah U, Ehling M, Palmieri EM, Di Noia MA, Gissi R, Favia M, Pierri CL, Porporato PE, Castegna A, Mazzone M

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

International journal of molecular medicine

### Identification of different macrophage subpopulations with distinct activities in a mouse model of oxygen-induced retinopathy.

"Published figure using CD11c monoclonal antibody (Product # 13-0114-82) in Immunofluorescence"

Authors: Zhu Y, Zhang L, Lu Q, Gao Y, Cai Y, Sui A, Su T, Shen X, Xie B

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

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

## Immunohistochemistry (Paraffin) (2)

Nature

### MET is required for the recruitment of anti-tumoural neutrophils.

"13-0114 was used in Immunohistochemistry on paraffin embedded tissues to identify a role for the MET proto-oncogene in anti-tumoural neutrophil recruitment."

Authors: Finisguerra V, Di Conza G, Di Matteo M, Serneels J, Costa S, Thompson AA, Wauters E, Walmsley S, Prenen H, Granot Z, Casazza A, Mazzone M

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2015

The Journal of experimental medicine

### A murine DC-SIGN homologue contributes to early host defense against Mycobacterium tuberculosis.

"13-0114 was used in Immunohistochemistry on paraffin embedded tissues to investigate the function of DC-SIGN in the host response to pathogens in vivo."

Authors: Tanne A, Ma B, Boudou F, Tailleux L, Botella H, Badell E, Levillain F, Taylor ME, Drickamer K, Nigou J, Dobos KM, Puzo G, Vestweber D, Wild MK, Marcinko M, Sobieszczuk P, Stewart L, Lebus D, Gicquel B, Neyrolles O

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2009

## More applications with references on thermofisher.com

IHC (F) (9)

ICC/IF (7)

Flow (104)

FN (1)

Misc (11)

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