

CD11b Monoclonal Antibody (ICRF44), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Baboon, Chimpanzee, Cynomolgus Monkey, Human, Rhesus monkey
Published Species	Fish, Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	ICRF44
Conjugate	Unconjugated
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
RRID	AB_467120

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	20 Publications
Functional Assay (FN)	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Neutralization (Neu)	Assay-Dependent	-
Immunofluorescence (IF)	-	4 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunoprecipitation (IP)	-	1 Publication
Western Blot (WB)	-	2 Publications

Product Specific Information

Description: The ICRF44 monoclonal antibody reacts with human CD11b, a 165 kDa adhesion molecule. CD11b associated with integrin beta2 (CD18) is expressed on the surface of monocytes, granulocytes, activated lymphocytes and a subset of NK cells. CD11b is a receptor for intercellular adhesion molecule family members CD54, CD102 and CD50 as well as for iC3b. These adhesions are crucial in cell-cell and cell-matrix interactions.

Applications Reported: The ICRF44 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining on formaldehyde fixed tissue. ICRF44 has also been reported in inhibition of aggregation of PMNs.

Applications Tested: The ICRF44 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 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

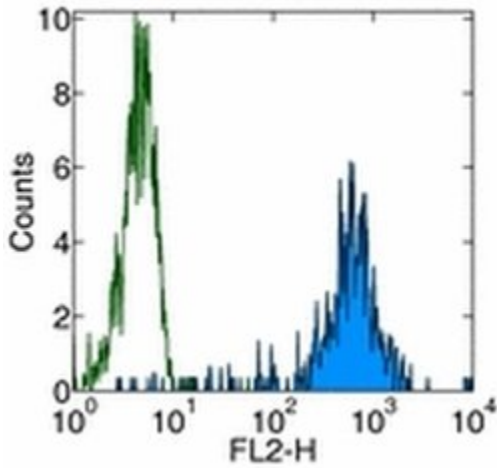
recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11b Monoclonal Antibody (ICRF44), eBioscience™



CD11b Antibody (14-0118-82) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD11b PE. Autofluorescence is indicated by open histogram. Cells in the monocyte population were used for analysis.

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

Flow Cytometry (20)

PloS one

Deacetylase activity-independent transcriptional activation by HDAC2 during TPA-induced HL-60 cell differentiation.

"Published figure using CD11b monoclonal antibody (Product # 14-0118-82) in Flow Cytometry"

Authors: Jung H, Kim JY, Kim KB, Chae YC, Hahn Y, Kim JW, Seo SB

Species
Not Applicable

Dilution
Not Cited

Year
2019

Nature communications

Microglia innately develop within cerebral organoids.

"Published figure using CD11b monoclonal antibody (Product # 14-0118-82) in Flow Cytometry"

Authors: Ormel PR, Vieira de Sá R, van Bodegraven EJ, Karst H, Harschnitz O, Sneebouer MAM, Johansen LE, van Dijk RE, Scheefhals N, Berdenis van Berlekom A, Ribes Martínez E, Kling S, MacGillavry HD, van den Berg LH, Kahn RS, Hol EM, de Witte LD, Pasterkamp RJ

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

Immunofluorescence (4)

PloS one

Identification of Reprogrammed Myeloid Cell Transcriptomes in NSCLC.

"14-0118 was used in Immunofluorescence to demonstrate that analysis of homogeneous stromal populations isolated from fresh clinical specimens can detect important stromal genes."

Authors: Durrans A, Gao D, Gupta R, Fischer KR, Choi H, El Rayes T, Ryu S, Nasar A, Spinelli CF, Andrews W, Elemento O, Nolan D, Stiles B, Rafii S, Narula N, Davuluri R, Altorki NK, Mittal V

Species
Human

Dilution
Not Cited

Year
2016

Journal of immunology (Baltimore, Md. : 1950)

Microbe-specific unconventional T cells induce human neutrophil differentiation into antigen cross-presenting cells.

"14-0118 was used in Immunofluorescence to investigate how unconventional T cells represent key controllers of neutrophil-driven innate and adaptive responses to a broad range of pathogens."

Authors: Davey MS, Morgan MP, Liuzzi AR, Tyler CJ, Khan MWA, Szakmany T, Hall JE, Moser B, Eberl M

Species
Human

Dilution
Not Cited

Year
2014

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

More applications with references on thermofisher.com

IHC (2) WB (2) IP (1)

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