

CD11b Monoclonal Antibody (ICRF44), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Baboon, Chimpanzee, Cynomolgus monkey, Human, Rhesus monkey
Published Species	Human, Mouse
Host/Isotype	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
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	1 µg/test	42 Publications
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	-

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.

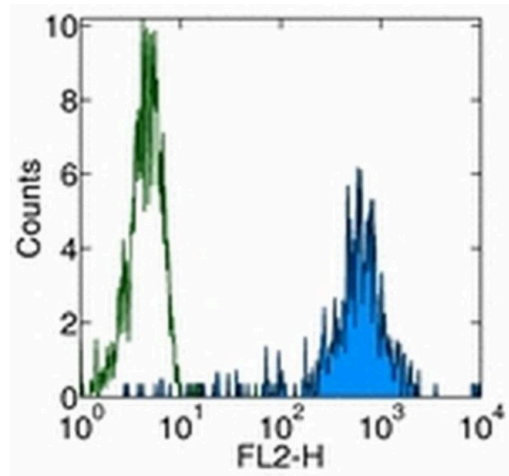
Applications Tested: The ICRF44 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number 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.

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Western Blot (2)

<p>Experimental hematology</p> <p>Induction of autophagy is a key component of all-trans-retinoic acid-induced differentiation in leukemia cells and a potential target for pharmacologic modulation.</p> <p>"Published figure using CD11b monoclonal antibody (Product # 14-0118-82) in Flow Cytometry"</p> <p>Authors: Orfali N,O'Donovan TR,Nyhan MJ,Britschgi A,Tschan MP,Cahill MR,Mongan NP,Gudas LJ,McKenna SL</p>	<p>Year 2015</p> <p>Species Human</p>
<p>Surgery</p> <p>Heparin-binding epidermal growth factor-like growth factor (HB-EGF) preserves gut barrier function by blocking neutrophil-endothelial cell adhesion after hemorrhagic shock and resuscitation in mice.</p> <p>"Published figure using CD11b monoclonal antibody (Product # 14-0118-82) in Flow Cytometry"</p> <p>Authors: Zhang HY,James I,Chen CL,Besner GE</p>	<p>Year 2012</p>

Immunohistochemistry (4)

<p>Frontiers in cell and developmental biology</p> <p>Post-amputation reactive oxygen species production is necessary for axolotls limb regeneration.</p> <p>"Published figure using CD11b monoclonal antibody (Product # 14-0118-82) in Immunohistochemistry"</p> <p>Authors: Carbonell-M B,Zapata Cardona J,Delgado JP</p>	<p>Year 2022</p>
<p>Nature communications</p> <p>Macrophages are exploited from an innate wound healing response to facilitate cancer metastasis.</p> <p>"14-0118 was used in Immunohistochemistry-immunofluorescence to show that tumours can exploit this response to facilitate transendothelial migration and metastatic spread of the disease, which can be pharmacologically targeted using a clinically relevant HO-1 inhibitor."</p> <p>Authors: Muliaditan T,Caron J,Okesola M,Opzoomer JW,Kosti P,Georgouli M,Gordon P,Lall S,Kuzeva DM,Pedro L, Shields JD,Gillett CE,Diebold SS,Sanz-Moreno V,Ng T,Hoste E,Arnold JN</p>	<p>Year 2018</p> <p>Species Mouse</p> <p>Dilution 1:100</p>

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More applications with references on thermofisher.com

- ICC/IF (3)
- Flow (42)
- IP (1)

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