

## APC/Fire™ 750 anti-mouse/human CD11b Antibody

<b>Catalog# / Size</b>	101261 / 25 µg 101262 / 100 µg
<b>Clone</b>	M1/70
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	αM integrin, Mac-1, Mo1, CR3, Ly-40, C3biR, ITGAM
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	CD11b is a 170 kD glycoprotein also known as αM integrin, Mac-1 α subunit, Mol, CR3, and Ly-40. CD11b is a member of the integrin family, primarily expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b non-covalently associates with CD18 (β2 integrin) to form Mac-1. Mac-1 plays an important role in cell-cell interaction by binding its ligands ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4 (CD242), iC3b, and fibrinogen.

### Product Details

<b>Verified Reactivity</b>	Mouse, Human, Cynomolgus, Rhesus
<b>Reported Reactivity</b>	Chimpanzee, Baboon, Rabbit
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	C57BL/10 splenocytes
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
<b>Concentration</b>	0.2 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.  * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.
<b>Application Notes</b>	Clone M1/70 has been verified for immunocytochemistry (ICC) and frozen immunohistochemistry (IHC-F).  Additional reported applications (for relevant formats of this clone) include: immunoprecipitation <sup>1,4</sup> , <i>in vitro</i> blocking <sup>3,9,12</sup> , depletion <sup>2,8</sup> , immunofluorescence microscopy <sup>6,7,10</sup> , immunohistochemistry of acetone-fixed frozen sections <sup>5,11-13</sup> , and spatial biology (IBEX) <sup>35,36</sup> . For <i>in vivo</i> studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) (Cat. No. 101248).
<b>Application References</b>	<ol style="list-style-type: none"> <li>1. Springer T, <i>et al.</i> 1978. <i>Eur. J. Immunol.</i> 8:539. (IP)</li> <li>2. Ault K and Springer T. 1981. <i>J. Immunol.</i> 126:359. (Deplete)</li> <li>3. Springer TA, <i>et al.</i> 1982. <i>Immunol. Rev.</i> 68:171. (Block)</li> <li>4. Ho MK and Springer TA. 1983. <i>J. Biol. Chem.</i> 258:2766. (IP)</li> <li>5. Flotte TJ, <i>et al.</i> 1983. <i>Am. J. Pathol.</i> 111:112. (IHC)</li> <li>6. Noel GJ, <i>et al.</i> 1990. <i>J. Clin. Invest.</i> 85:208. (IF)</li> <li>7. Allen LA and Aderem A. 1996. <i>J. Exp. Med.</i> 184:627 (IF)</li> </ol>

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## RRID

AB\_2572121 (BioLegend Cat. No. 101261)  
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## Antigen Details

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<b>Structure</b>	Integrin family, associates with integrin $\beta_2$ (CD18), 170 kD
<b>Distribution</b>	Granulocytes, monocytes/macrophages, dendritic cells, NK cells, subsets of T and B cells
<b>Function</b>	Adhesion, chemotaxis
<b>Ligand/Receptor</b>	ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4 (CD242), iC3b, fibrinogen
<b>Cell Type</b>	B cells, Dendritic cells, Granulocytes, Macrophages, Monocytes, Neutrophils, NK cells, T cells,

Tregs

## Biology Area

Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology, Innate Immunity, Neuroscience, Neuroscience Cell Markers

## Molecular Family

Adhesion Molecules, CD Molecules

## Antigen References

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## Gene ID

[16409](#)

[3684](#)

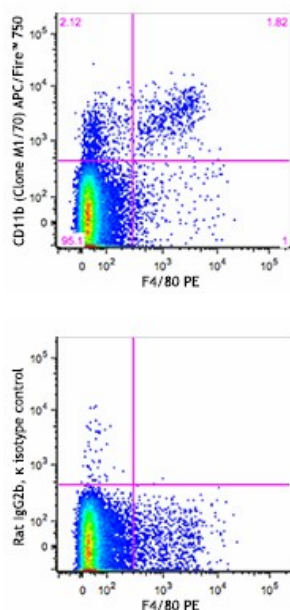
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

APC anti-mouse/human CD11b, Biotin anti-mouse/human CD11b, FITC anti-mouse/human CD11b, PE anti-mouse/human CD11b, PE/Cyanine5 anti-mouse/human CD11b, Purified anti-mouse/human CD11b, PE/Cyanine7 anti-mouse/human CD11b, Alexa Fluor® 488 anti-mouse/human CD11b, Alexa Fluor® 647 anti-mouse/human CD11b, Alexa Fluor® 700 anti-mouse/human CD11b, Pacific Blue™ anti-mouse/human CD11b, APC/Cyanine7 anti-mouse/human CD11b, PerCP/Cyanine5.5 anti-mouse/human CD11b, PerCP anti-mouse/human CD11b, Brilliant Violet 421™ anti-mouse/human CD11b, Brilliant Violet 570™ anti-mouse/human CD11b, Brilliant Violet 605™ anti-mouse/human CD11b, Brilliant Violet 650™ anti-mouse/human CD11b, Brilliant Violet 711™ anti-mouse/human CD11b, Brilliant Violet 785™ anti-mouse/human CD11b, Brilliant Violet 510™ anti-mouse/human CD11b, Ultra-LEAF™ Purified anti-mouse/human CD11b, Purified anti-mouse/human CD11b (Maxpar® Ready), Alexa Fluor® 594 anti-mouse/human CD11b, PE/Dazzle™ 594 anti-mouse/human CD11b, APC/Fire™ 750 anti-mouse/human CD11b, TotalSeq™-A0014 anti-mouse/human CD11b, Brilliant Violet 750™ anti-mouse/human CD11b, TotalSeq™-B0014 anti-mouse/human CD11b, TotalSeq™-C0014 anti-mouse/human CD11b, Spark NIR™ 685 anti-mouse/human CD11b, PE/Fire™ 640 anti-mouse/human CD11b, Spark YG™ 593 anti-mouse/human CD11b, Spark YG™ 570 anti-mouse/human CD11b, PE/Fire™ 810 anti-mouse/human CD11b, APC/Fire™ 810 anti-mouse/human CD11b Antibody, Spark Blue™ 550 anti-mouse/human CD11b, Spark UV™ 387 anti-mouse/human CD11b

## Product Data



C57BL/6 splenocytes were blocked with TruStain fcX™ (anti-mouse CD16/32) Antibody then stained with F4/80 PE and CD11b (clone M1/80) APC/Fire™ 750 (top) or Rat IgG2b, κ APC/Fire™ 750 isotype control (bottom).

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