

## Purified anti-mouse CD11c Recombinant Antibody

<b>Catalog# / Size</b>	161102 / 500 µg
<b>Clone</b>	QA18A72
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	αX integrin, integrin αX chain, CR4, p150, ITGAX
<b>Isotype</b>	Rat IgG1, κ
<b>Description</b>	CD11c is a 150 kD glycoprotein also known as α <sub>X</sub> integrin, CR4, and p150. CD11c forms a α <sub>X</sub> β <sub>2</sub> heterodimer with β <sub>2</sub> integrin (CD18). It is primarily expressed on dendritic cells, NK cells, a subset of intestinal intraepithelial lymphocytes (IEL), and some activated T cells. The α <sub>X</sub> β <sub>2</sub> integrin plays an important role in cell-cell contact by binding its ligands: iC3b, fibrinogen, and CD54.

### Product Details

---

<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Recombinant
<b>Host Species</b>	Rat
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Product Citations</b>	1. Zhang X, <i>et al.</i> 2022. <i>Pharmaceutics</i> . 14: <a href="#">PubMed</a>
<b>RRID</b>	AB_2876575 (BioLegend Cat. No. 161102)

### Antigen Details

---

<b>Structure</b>	Integrin α-chain, associates with integrin β <sub>2</sub> (CD18), 150 kD
<b>Distribution</b>	Dendritic cells, NK cells, intestinal intraepithelial lymphocytes (IEL), some activated T cells
<b>Function</b>	Cellular adhesion
<b>Ligand/Receptor</b>	iC3b, fibrinogen
<b>Cell Type</b>	Dendritic cells, Epithelial cells, NK cells, T cells, Tregs
<b>Biology Area</b>	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology, Innate Immunity, Neuroscience, Neuroscience Cell Markers
<b>Molecular Family</b>	Adhesion Molecules, CD Molecules
<b>Antigen References</b>	1. Barclay A, <i>et al.</i> 1997. <i>The Leukocyte Antigen Facts Book</i> Academic Press. 2. Springer TA. 1994. <i>Cell</i> 76:301.

Gene ID [16411](#)

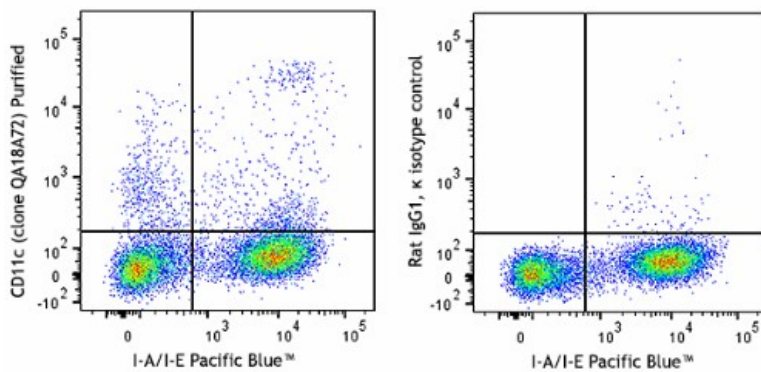
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-mouse CD11c Recombinant Antibody, PE/Fire™ 640 anti-mouse CD11c Recombinant Antibody, PE/Fire™ 810 anti-mouse CD11c Recombinant Antibody, PE/Fire™ 700 anti-mouse CD11c Recombinant Antibody

## Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse I-A/I-E Pacific Blue™ and purified anti-mouse C11c recombinant (clone QA18A72) (left) or rat IgG1,  $\kappa$  isotype control (right), followed by anti-rat IgG Alexa Fluor® 647.

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587