

## 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

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<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

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<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](#)

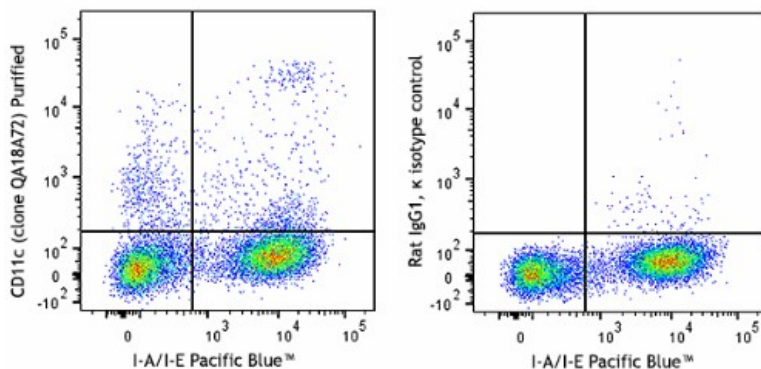
## Related Protocols

[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, κ isotype control (right), followed by anti-rat IgG Alexa Fluor® 647.

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