

## PE/Cyanine7 anti-mouse CD192 (CCR2) Antibody

<b>Catalog# / Size</b>	150611 / 25 µg 150612 / 100 µg
<b>Clone</b>	SA203G11
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Ccr2, Ckr2, Ccr2a, Ccr2b
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	CD192, also known as CCR2, is a 42 kD G-protein coupled receptor that is associated with bone marrow homeostasis. Specifically, CD192 mediates monocyte chemotaxis and acts as a receptor for monocyte chemoattractant protein 1 (MCP-1). CD192 is primarily expressed on monocytes and macrophages, with some expression on basophils. It is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis and cancer.

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse CCR2 transfectants.
<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 PE/Cyanine7 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 ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>Additional Product Notes</b>	BioLegend is in the process of converting the name PE/Cy7 to PE/Cyanine7. The dye molecule remains the same, so you should expect the same quality and performance from our PE/Cyanine7 products. Please contact <a href="#">Technical Service</a> if you have any questions.
<b>Product Citations</b>	<ol style="list-style-type: none"><li>1. Karlen SJ, <i>et al.</i> 2018. J Neuroinflammation. 15:344. <a href="#">PubMed</a></li><li>2. Weigert A, <i>et al.</i> 2022. Nat Commun. 13:6078. <a href="#">PubMed</a></li><li>3. Trompette A, <i>et al.</i> 2022. Mucosal Immunol. ∴. <a href="#">PubMed</a></li><li>4. Canedo T, <i>et al.</i> 2021. Neuropsychopharmacology. 46:2358. <a href="#">PubMed</a></li><li>5. Liu SS, <i>et al.</i> 2021. Immunity. ∴. <a href="#">PubMed</a></li><li>6. McGinley AM, <i>et al.</i> 2020. Immunity. 52(2):342-356. <a href="#">PubMed</a></li><li>7. Aurélien Trompette <i>et al.</i> 2018. Immunity. 48(5):992-1005 . <a href="#">PubMed</a></li></ol>
<b>RRID</b>	AB_2616983 (BioLegend Cat. No. 150611) AB_2616984 (BioLegend Cat. No. 150612)

## Antigen Details

<b>Structure</b>	G-protein-coupled receptor, 7-transmembrane protein, 42 kD.
<b>Distribution</b>	Monocytes/macrophages and basophils.
<b>Function</b>	Mediator of monocyte chemotaxis and bone marrow homeostasis.
<b>Ligand/Receptor</b>	MCP-1, Ccl2, Ccl7, and Ccl13.
<b>Cell Type</b>	Basophils, Macrophages, Monocytes
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules, Cytokine/Chemokine Receptors, GPCR
<b>Antigen References</b>	1. Mack M, <i>et al.</i> 2001. <i>J. Immunol.</i> 166:4697. 2. Dutta P, <i>et al.</i> 2015. <i>Cell Stem Cell.</i> 16:477. 3. Li L, <i>et al.</i> 2008. <i>Kidney Int.</i> 74:1526.
<b>Gene ID</b>	<a href="#">12772</a>

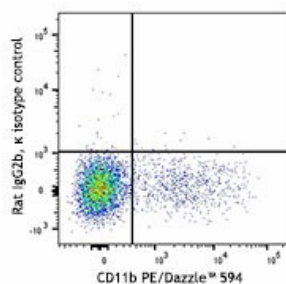
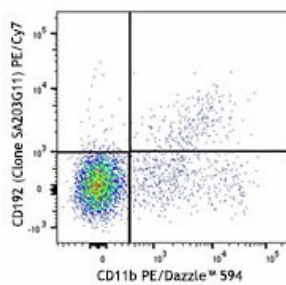
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Alexa Fluor® 647 anti-mouse CD192 (CCR2), Brilliant Violet 421™ anti-mouse CD192 (CCR2), PE anti-mouse CD192 (CCR2), PE/Cyanine7 anti-mouse CD192 (CCR2), FITC anti-mouse CD192 (CCR2), Brilliant Violet 605™ anti-mouse CD192 (CCR2), Brilliant Violet 650™ anti-mouse CD192 (CCR2), Brilliant Violet 785™ anti-mouse CD192 (CCR2), Brilliant Violet 510™ anti-mouse CD192 (CCR2), Biotin anti-mouse CD192 (CCR2), TotalSeq™-A0426 anti-mouse CD192 (CCR2), APC anti-mouse CD192 (CCR2), APC/Fire™ 750 anti-mouse CD192 (CCR2), TotalSeq™-B0426 anti-mouse CD192 (CCR2), TotalSeq™-C0426 anti-mouse CD192 (CCR2), PE/Cyanine5 anti-mouse CD192 (CCR2), PE/Dazzle™ 594 anti-mouse CD192 (CCR2), PE/Fire™ 640 anti-mouse CD192 (CCR2)

## Product Data



C57BL/6 bone marrow was stained with Ly-6G APC, CD11b PE/Dazzle™ 594, and CD192 (clone SA203G11) PE/Cyanine7 (top) or rat IgG2b, κ PE/Cyanine7 isotype control (bottom). Dot plots are gated on Ly-6G<sup>-</sup> cells.

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