

## PE anti-mouse CD192 (CCR2) Antibody

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| <b>Catalog# / Size</b>   | 150609 / 25 µg<br>150610 / 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 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 ≤0.5 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)<br>Green Laser (532 nm)/Yellow-Green Laser (561 nm)   |
| <b>Product Citations</b>      | <ol style="list-style-type: none"><li>1. Greferath U, <i>et al.</i> 2021. <i>Front Cell Neurosci.</i> 14:553708. <a href="#">PubMed</a></li><li>2. Samarchith P Kurup <i>et al.</i> 2019. <i>Cell host &amp; microbe.</i> 25(4):565-577. <a href="#">PubMed</a></li><li>3. Jeljeli M, <i>et al.</i> 2020. <i>Cell Rep.</i> 33:108325. <a href="#">PubMed</a></li><li>4. Kotfis K, <i>et al.</i> 2020. <i>British Journal of Pharmacology.</i> 49(1):66-72. <a href="#">PubMed</a></li><li>5. Aldrich AL, <i>et al.</i> 2021. <i>The Journal of Immunology.</i> 206(4):751-765. <a href="#">PubMed</a></li><li>6. Li F, <i>et al.</i> 2019. <i>Cancer Res.</i> 79(15). <a href="#">PubMed</a></li><li>7. Leylek R, <i>et al.</i> 2019. <i>Cell Rep.</i> 29:3736. <a href="#">PubMed</a></li><li>8. Galle-Treger L, <i>et al.</i> 2020. <i>J Allergy Clin Immunol.</i> 145:502. <a href="#">PubMed</a></li><li>9. Ben-Yehuda H, <i>et al.</i> 2021. <i>Mol Neurodegener.</i> 16:39. <a href="#">PubMed</a></li><li>10. Laban H, <i>et al.</i> 2018. <i>J Cell Biol.</i> 217:1503. <a href="#">PubMed</a></li><li>11. Nasser H, <i>et al.</i> 2020. <i>Cell Death Discov.</i> 0.29375. <a href="#">PubMed</a></li><li>12. Schnoegl D, <i>et al.</i> 2022. <i>Front Immunol.</i> 13:909270. <a href="#">PubMed</a></li><li>13. Di Pilato M, <i>et al.</i> 2021. <i>Cell.</i> 184(17):4512-4530.e22. <a href="#">PubMed</a></li><li>14. Di Liberto G <i>et al.</i> 2018. <i>Cell.</i> 175(2):458-471. <a href="#">PubMed</a></li><li>15. Bae S, <i>et al.</i> 2021. <i>Cell Reports.</i> 35(11):109264. <a href="#">PubMed</a></li></ol> |
| <b>RRID</b>                   | AB_2616981 (BioLegend Cat. No. 150609)<br>AB_2616982 (BioLegend Cat. No. 150610)  |

## Antigen Details

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| <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.<br>2. Dutta P, <i>et al.</i> 2015. <i>Cell Stem Cell.</i> 16:477.<br>3. Li L, <i>et al.</i> 2008. <i>Kidney Int.</i> 74:1526. |
| <b>Gene ID</b>            | <a href="#">12772</a>   |

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

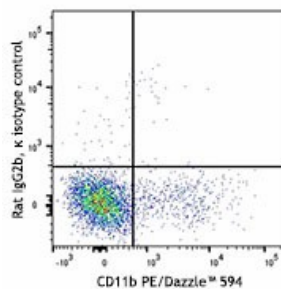
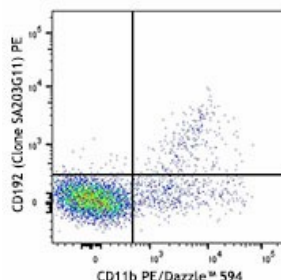
## Other Formats

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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

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

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