

## PE anti-mouse CD196 (CCR6) Antibody

<b>Catalog# / Size</b>	129803 / 25 µg 129804 / 100 µg
<b>Clone</b>	29-2L17
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CD196, BN-1, CKR-L3, DRY6, KY411, STRL22
<b>Isotype</b>	Armenian Hamster IgG
<b>Description</b>	CCR6 is a G-protein linked chemokine receptor which binds the chemokine CCL20/MIP-3a. It is expressed on B lymphocytes and certain subsets of dendritic cells and T cells. CCR6 is reported to be involved in mucosal immune response and lymphocyte migration and homeostasis.

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Armenian Hamster
<b>Immunogen</b>	N-terminal peptide (aa. 2-38) of mouse CCR6 fused with GST
<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 ≤0.25 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>Product Citations</b>	<ol style="list-style-type: none"><li>1. Doisne J, <i>et al.</i> 2015. J Immunol. 195: 3937 - 3945.. <a href="#">PubMed</a></li><li>2. Liu QZ, <i>et al.</i> 2018. Front Immunol. 1.131944444. <a href="#">PubMed</a></li><li>3. Kobayashi T, <i>et al.</i> 2019. Cell. 176:982. <a href="#">PubMed</a></li><li>4. Chen J, <i>et al.</i> 2017. J Biol Chem. 292:14532. <a href="#">PubMed</a></li><li>5. Browning LM, <i>et al.</i> 2020. Cell Rep. 33:108219. <a href="#">PubMed</a></li><li>6. Shibata K, <i>et al.</i> 2014. J Immunol. 192:2210. <a href="#">PubMed</a></li><li>7. Huang X, <i>et al.</i> 2020. Cell Host Microbe. 29(2):210-221.e6. <a href="#">PubMed</a></li><li>8. Alves C, <i>et al.</i> 2015. PLoS One. 10: 0142972. <a href="#">PubMed</a></li><li>9. Linehan JL <i>et al.</i> 2018. Cell. 172(4):784-796 . <a href="#">PubMed</a></li><li>10. Sundling C, <i>et al.</i> 2021. Immunity. 54(5):988-1001.e5. <a href="#">PubMed</a></li><li>11. Li Z, <i>et al.</i> 2018. Front Immunol. 9:347. <a href="#">PubMed</a></li><li>12. Martínez-López M <i>et al.</i> 2019. Immunity. 50(2):446-461 . <a href="#">PubMed</a></li><li>13. Wara AK, <i>et al.</i> 2020. Cell Rep. 33:108550. <a href="#">PubMed</a></li><li>14. Chatterjee S <i>et al.</i> 2017. Cell metabolism. 27(1):85-100 . <a href="#">PubMed</a></li><li>15. Suan D <i>et al.</i> 2017. Immunity. 47(6):1142-1153 . <a href="#">PubMed</a></li><li>16. Timilshina M, <i>et al.</i> 2017. PLoS One. 10.1371/journal.pone.0168942. <a href="#">PubMed</a></li><li>17. Zeis P, <i>et al.</i> 2020. Immunity. 53:775. <a href="#">PubMed</a></li><li>18. Engel I, <i>et al.</i> 2016. Nat Immunol. 10.1038/ni.3437. <a href="#">PubMed</a></li><li>19. Shin JW, <i>et al.</i> 2020. Cell Death Dis. 0.667361111. <a href="#">PubMed</a></li></ol>

20. Mony J, *et al.* 2014. *Mult Scler.* . [PubMed](#)
21. Zhong C, *et al.* 2020. *Immunity.* 52(1):83-95.e4. [PubMed](#)
22. Hirota K *et al.* 2018. *Immunity.* 48(6):1220-1232 . [PubMed](#)
23. Wang X, *et al.* 2021. *Immunity.* 54(6):1123-1136.e8. [PubMed](#)
24. Goc J, *et al.* 2021. *Cell.* .: [PubMed](#)

**RRID** AB\_1279139 (BioLegend Cat. No. 129803)  
 AB\_1279137 (BioLegend Cat. No. 129804)

## Antigen Details

<b>Structure</b>	G-protein linked, seven transmembrane, domain-spanning chemokine receptor; 367 amino acids long and about 75% homology with human CCR6
<b>Distribution</b>	Expressed on spleen B cells, immature splenic dendritic cells in Peyer's patches, and some T cell subset
<b>Function</b>	Important in regulating mucosal immune response
<b>Ligand/Receptor</b>	CCL20/MIP-3a
<b>Cell Type</b>	B cells, Dendritic cells, T cells
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules, Cytokine/Chemokine Receptors, GPCR
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Rossi D, <i>et al.</i> 1997. <i>J. Immunol.</i> 158:1033.</li> <li>2. Lukacs N, <i>et al.</i> 2001. <i>J. Exp. Med.</i> 194:551.</li> <li>3. Cook DN, <i>et al.</i> 2000. <i>Immunity</i> 12:495</li> </ol>
<b>Gene ID</b>	<a href="#">12458</a>

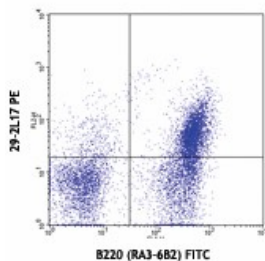
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-mouse CD196 (CCR6), PE anti-mouse CD196 (CCR6), Alexa Fluor® 647 anti-mouse CD196 (CCR6), PerCP/Cyanine5.5 anti-mouse CD196 (CCR6), APC anti-mouse CD196 (CCR6), PE/Cyanine7 anti-mouse CD196 (CCR6), Brilliant Violet 421™ anti-mouse CD196 (CCR6), Brilliant Violet 605™ anti-mouse CD196 (CCR6), PE/Dazzle™ 594 anti-mouse CD196 (CCR6), Brilliant Violet 785™ anti-mouse CD196 (CCR6), TotalSeq™-A0225 anti-mouse CD196 (CCR6), TotalSeq™-B0225 anti-mouse CD196 (CCR6), TotalSeq™-C0225 anti-mouse CD196 (CCR6), PE/Fire™ 640 anti-mouse CD196 (CCR6)

## Product Data



C57BL/6 splenocytes stained RA3-6B2 (B220) FITC and 29-2L17 PE

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