

## Spark PLUS B550™ anti-mouse CD196 (CCR6) Antibody

<b>Catalog# / Size</b>	129841 / 25 µg 129842 / 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 Spark PLUS B550™ 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.  * Spark PLUS B550™ has a maximum excitation of 516 nm and a maximum emission of 540 nm.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>RRID</b>	AB_3683157 (BioLegend Cat. No. 129841) AB_3683157 (BioLegend Cat. No. 129842)

### Antigen Details

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<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>

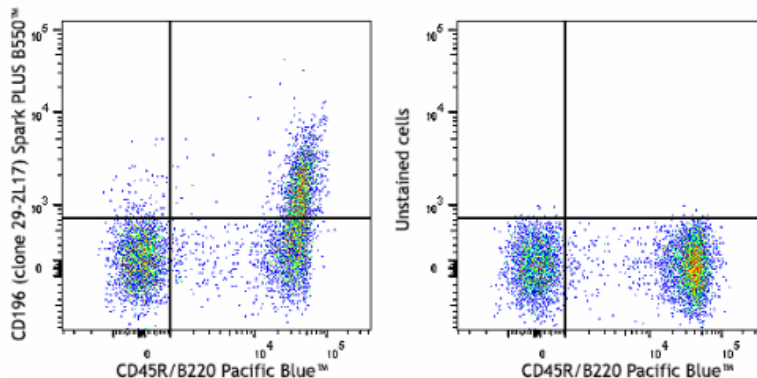
## Related Protocols

- [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), PE/Fire™ 810 anti-mouse CD196 (CCR6), PE/Fire™ 700 anti-mouse CD196 (CCR6), PE/Cyanine5 anti-mouse CD196 (CCR6), Spark Red™ 718 anti-mouse CD196 (CCR6) (Flexi-Fluor™), Spark PLUS B550™ anti-mouse CD196 (CCR6), PerCP/Fire™ 806 anti-mouse CD196 (CCR6) Antibody, PerCP/Fire™ 780 anti-mouse CD196 (CCR6) Antibody

## Product Data



C57BL/6 splenocytes stained with anti-mouse CD45R/B220 (clone RA3-6B2) Pacific Blue™ and anti-mouse CD196 (CCR6) (clone 29-2L17) Spark PLUS B550™ (left) or stained with anti-mouse CD45R/B220 Pacific Blue™ only (right).

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