

Alexa Fluor[®] 647 anti-mouse CD196 (CCR6) Antibody

Catalog# / Size	129807 / 25 µg 129808 / 100 µg
Clone	29-2L17
Regulatory Status	RUO
Other Names	CD196, BN-1, CKR-L3, DRY6, KY411, STRL22
Isotype	Armenian Hamster IgG
Description	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

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Armenian Hamster
Immunogen	N-terminal peptide (aa. 2-38) of mouse CCR6 fused with GST
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor [®] 647 under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	<p>Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. 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.</p> <p>* Alexa Fluor[®] 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm. Alexa Fluor[®] and Pacific Blue™ are trademarks of Life Technologies Corporation.</p> <p>View full statement regarding label licenses</p>
Excitation Laser	Red Laser (633 nm)
Product Citations	<ol style="list-style-type: none">1. Wang L, <i>et al.</i> 2019. Cell Rep. 29:1848. PubMed2. Stewart I <i>et al.</i> 2018. Immunity. 49(3):477-489. PubMed3. Pack AD, <i>et al.</i> 2021. Cell Reports. 36(8):109586. PubMed4. Chen J <i>et al.</i> 2018. Cell reports. 25(12):3393-3404. PubMed5. Shen X, <i>et al.</i> 2021. Front Immunol. 12:710750. PubMed6. Nguyen HD, <i>et al.</i> 2020. Cell Rep. 33:108316. PubMed
RRID	AB_1227498 (BioLegend Cat. No. 129807) AB_1227497 (BioLegend Cat. No. 129808)

Antigen Details

Structure	G-protein linked, seven transmembrane, domain-spanning chemokine receptor; 367 amino acids long and about 75% homology with human CCR6
Distribution	Expressed on spleen B cells, immature splenic dendritic cells in Peyer's patches, and some T cell subset
Function	Important in regulating mucosal immune response
Ligand/Receptor	CCL20/MIP-3a
Cell Type	B cells, Dendritic cells, T cells
Biology Area	Immunology
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR
Antigen References	1. Rossi D, <i>et al.</i> 1997. <i>J. Immunol.</i> 158:1033. 2. Lukacs N, <i>et al.</i> 2001. <i>J. Exp. Med.</i> 194:551. 3. Cook DN, <i>et al.</i> 2000. <i>Immunity</i> 12:495
Gene ID	12458

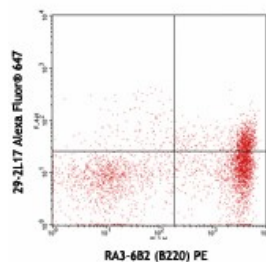
Related Protocols

[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 with RA3-6B2 (B220) PE and 29-2L17 Alexa Fluor® 647

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587