

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	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. * 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. View full statement regarding label licenses
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

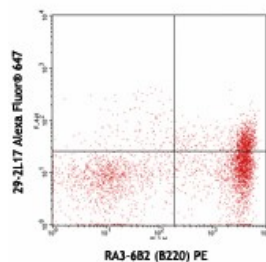
Related Protocols

[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

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