

PerCP/Fire™ 806 anti-mouse CD196 (CCR6) Antibody

Catalog# / Size	129843 / 25 µg 129844 / 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 PerCP/Fire™ 806 under optimal conditions.
Concentration	0.2 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. * PerCP/Fire™ 806 has a maximum excitation of 478 nm and a maximum emission of 806 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3698909 (BioLegend Cat. No. 129843) AB_3698909 (BioLegend Cat. No. 129844)

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	<ol style="list-style-type: none"> 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

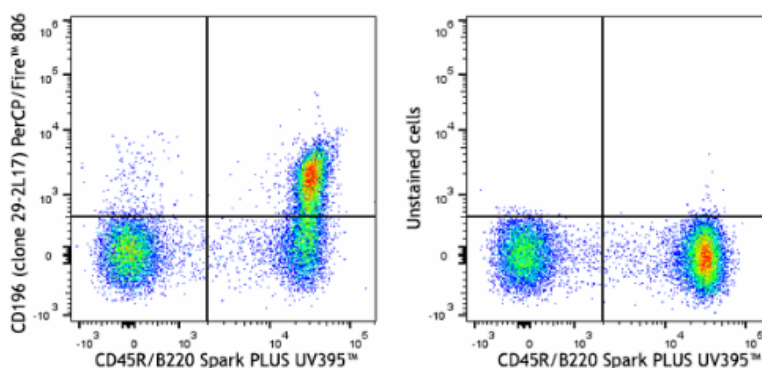
Related Protocols

- [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), 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 mouse splenocytes were stained with anti-mouse/human CD45R/B220 (clone RA3-6B2) Spark PLUS UV395™ and anti-mouse CD196 (CCR6) (clone 29-2L17) PerCP/Fire™ 806 (left) or stained with anti-mouse/human CD45R/B220 (clone RA3-6B2) Spark PLUS UV395™ only (right).

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