

PerCP/Fire™ 780 anti-mouse CD196 (CCR6) Antibody

| | |
|--------------------------|---|
| Catalog# / Size | 129845 / 25 µg 129846 / 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™ 780 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™ 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm. |
| Excitation Laser | Blue Laser (488 nm) |
| RRID | AB_3698910 (BioLegend Cat. No. 129845) AB_3698910 (BioLegend Cat. No. 129846) |

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 |

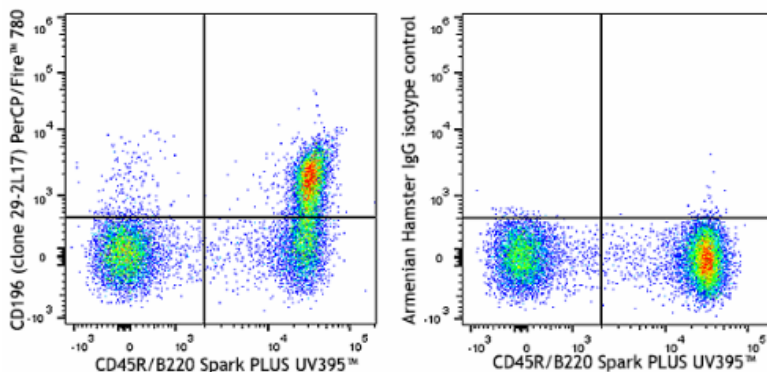
Related Protocols

- [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™ 780 (left) or Armenian Hamster IgG PerCP/Fire™ 780 isotype control (right).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

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