

## PerCP/Fire™ 806 anti-mouse CD186 (CXCR6) Antibody

<b>Catalog# / Size</b>	151135 / 25 µg 151136 / 100 µg
<b>Clone</b>	SA051D1
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CXCR6, Chemokine (C-X-C motif) receptor 6, BONZO, STRL33, chemokine receptor 6, CD 186, CXC-R6, CXCR-6, C-X-C chemokine receptor type 6
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	CD186, or CXCR6, is a 39 kD G-protein coupled chemokine receptor with seven transmembrane-spanning regions. Its ligand is CXCL16. It is expressed on different T cell subsets and is upregulated in activated T cells. Expression of CXCR6 is correlated with increased inflammatory responses and seems to contribute to liver fibrosis.

### Product Details

---

<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	mCXCR6-transfectants
<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 PerCP/Fire™ 806 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 ≤ 0.5 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.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>RRID</b>	AB_3698915 (BioLegend Cat. No. 151135) AB_3698915 (BioLegend Cat. No. 151136)

### Antigen Details

---

<b>Structure</b>	G-protein coupled receptor 1 family.
<b>Distribution</b>	T cells and natural killer T (NKT) cells.
<b>Function</b>	Chemotaxis and the development of T cells.
<b>Ligand/Receptor</b>	CXCL16.

<b>Cell Type</b>	NKT cells, T cells
<b>Biology Area</b>	Cell Biology, Cell Motility/Cytoskeleton/Structure, Immunology, Neuroinflammation, Neuroscience
<b>Molecular Family</b>	CD Molecules, Cytokine/Chemokine Receptors, GPCR
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Kim CH, <i>et al.</i> 2001. <i>J. Clin. Invest.</i> 107:595.</li> <li>2. Heesch K, <i>et al.</i> 2014. <i>PLoS One.</i> 9:5.</li> <li>3. Wehr A, <i>et al.</i> 2013. <i>J. Immunol.</i> 190:5226.</li> </ol>
<b>Gene ID</b>	<a href="#">80901</a>

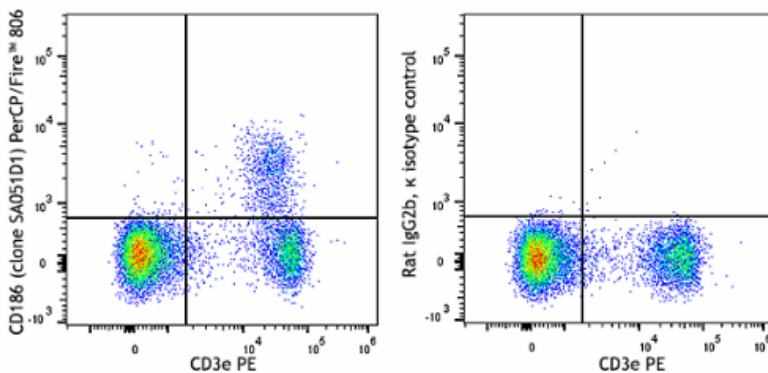
## Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

FITC anti-mouse CD186 (CXCR6), Purified anti-mouse CD186 (CXCR6), PE anti-mouse CD186 (CXCR6), APC anti-mouse CD186 (CXCR6), Brilliant Violet 421™ anti-mouse CD186 (CXCR6), Brilliant Violet 711™ anti-mouse CD186 (CXCR6), PE/Dazzle™ 594 anti-mouse CD186 (CXCR6), PE/Cyanine7 anti-mouse CD186 (CXCR6), Biotin anti-mouse CD186 (CXCR6), Alexa Fluor® 647 anti-mouse CD186 (CXCR6), PerCP/Cyanine5.5 anti-mouse CD186 (CXCR6) Antibody, APC/Cyanine7 anti-mouse CD186 (CXCR6) Antibody, TotalSeq™-A0926 anti-mouse CD186 (CXCR6), TotalSeq™-C0926 anti-mouse CD186 (CXCR6), APC/Fire™ 750 anti-mouse CD186 (CXCR6), TotalSeq™-B0926 anti-mouse CD186 (CXCR6), Spark Red™ 718 anti-mouse CD186 (CXCR6) (Flexi-Fluor™), PerCP/Fire™ 780 anti-mouse CD186 (CXCR6), PerCP/Fire™ 806 anti-mouse CD186 (CXCR6) Antibody

## Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD3ε (clone 145-2C11) PE and anti-mouse CD186 (CXCR6) (clone SA051D1) PerCP/Fire™ 806 (left) or rat IgG2b, κ PerCP/Fire™ 806 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](http://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](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587