

## PerCP/Fire™ 780 anti-mouse CD186 (CXCR6) Antibody

<b>Catalog# / Size</b>	151133 / 25 µg 151134 / 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

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<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™ 780 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™ 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>RRID</b>	AB_3683168 (BioLegend Cat. No. 151133) AB_3683168 (BioLegend Cat. No. 151134)

### Antigen Details

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<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>

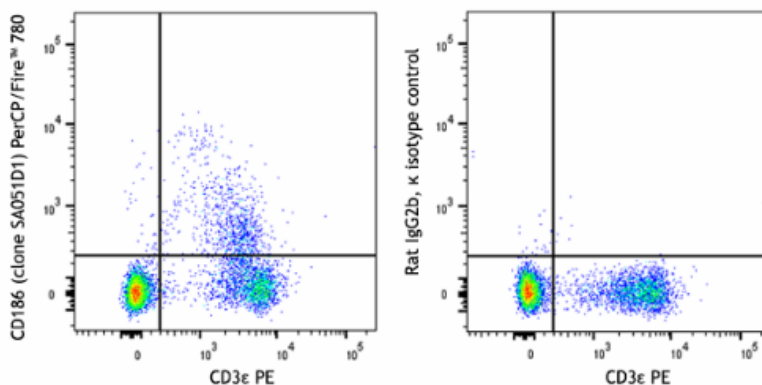
## Related Protocols

- [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™ 780 (left) or rat IgG2b, κ PerCP/Fire™ 780 isotype control (right).

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