

## Brilliant Violet 711™ anti-human CD185 (CXCR5) Antibody

<b>Catalog# / Size</b>	356933 / 25 tests 356934 / 100 tests
<b>Clone</b>	J252D4
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	BLR1, MDR15
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	CD185, also known as CXCR5, is a 42 kD G-protein coupled receptor with seven transmembrane regions. CXCR5 is expressed by mature B cells, follicular helper T cells, Burkitt's lymphoma cells and a subset of neurons, and mediates cell migration to the B cell follicles in the secondary lymphoid organs. The ligand of CXCR5 is CXCL13 (BLC).

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human CXCR5-transfected cells
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)
<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>	<p>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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.</p> <p>Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. <b>Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel.</b> Refer to your instrument manual or manufacturer for support. Brilliant Violet 711™ is a trademark of Sirigen Group Ltd.</p> <p><a href="#">Learn more about Brilliant Violet™.</a></p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
<b>Excitation Laser</b>	Violet Laser (405 nm)
<b>Product Citations</b>	<ol style="list-style-type: none"><li>Chan JA, <i>et al.</i> 2022. Nat Commun. 13:4159. <a href="#">PubMed</a></li><li>Wijesinghe A, <i>et al.</i> 2020. J Biomed Sci. 27:50:00. <a href="#">PubMed</a></li><li>Chan JA, <i>et al.</i> 2020. Cell Rep Med. 1:100157. <a href="#">PubMed</a></li><li>van der Ploeg K, <i>et al.</i> 2022. Cell Rep Med. 3:100640. <a href="#">PubMed</a></li><li>Byford ET, <i>et al.</i> 2018. PLoS One. 13:e0190468. <a href="#">PubMed</a></li></ol>

RRID AB\_2629525 (BioLegend Cat. No. 356933)  
AB\_2629526 (BioLegend Cat. No. 356934)

## Antigen Details

<b>Structure</b>	G-protein coupled receptor, 7 transmembrane regions, 42 kD
<b>Distribution</b>	Mature B cells, Follicular helper T cells, and Burkitt's lymphoma cells.
<b>Function</b>	Mediates cell migration to the B cell follicles in the secondary lymphoid organs
<b>Ligand/Receptor</b>	CXCL13
<b>Cell Type</b>	B cells, Tfh
<b>Biology Area</b>	Cell Biology, Immunology, Neuroinflammation, Neuroscience
<b>Molecular Family</b>	CD Molecules, Cytokine/Chemokine Receptors, GPCR
<b>Antigen References</b>	1. Ma CS, <i>et al.</i> 2012. <i>J. Exp. Med.</i> 209:1241. 2. León B, <i>et al.</i> 2012. <i>Nat. Immunol.</i> 13:681. 3. Crotty S. 2011. <i>Annu. Rev. Immunol.</i> 29:621. 4. Kerfoot SM, <i>et al.</i> 2011. <i>Immunity</i> 34:947. 5. Sáez de Guinoa J, <i>et al.</i> 2011. <i>Blood</i> 118:1560.
<b>Gene ID</b>	<a href="#">643</a>

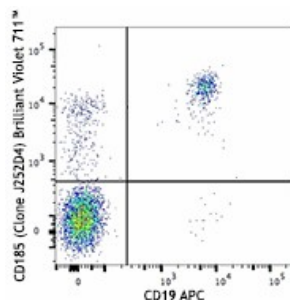
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

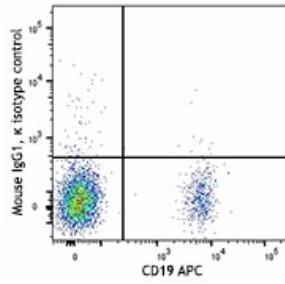
## Other Formats

PE anti-human CD185 (CXCR5), APC anti-human CD185 (CXCR5), Purified anti-human CD185 (CXCR5), Alexa Fluor® 647 anti-human CD185 (CXCR5), PerCP/Cyanine5.5 anti-human CD185 (CXCR5), Alexa Fluor® 488 anti-human CD185 (CXCR5), FITC anti-human CD185 (CXCR5), Alexa Fluor® 700 anti-human CD185 (CXCR5), Pacific Blue™ anti-human CD185 (CXCR5), Brilliant Violet 421™ anti-human CD185 (CXCR5), PE/Cyanine7 anti-human CD185 (CXCR5), APC/Cyanine7 anti-human CD185 (CXCR5), PE/Dazzle™ 594 anti-human CD185 (CXCR5), Brilliant Violet 605™ anti-human CD185 (CXCR5), Biotin anti-human CD185 (CXCR5), Brilliant Violet 711™ anti-human CD185 (CXCR5), Brilliant Violet 785™ anti-human CD185 (CXCR5), TotalSeq™-A0144 anti-human CD185 (CXCR5), TotalSeq™-C0144 anti-human CD185 (CXCR5), Brilliant Violet 750™ anti-human CD185 (CXCR5), TotalSeq™-B0144 anti-human CD185 (CXCR5), APC/Fire™ 750 anti-human CD185 (CXCR5), Spark NIR™ 685 anti-human CD185 (CXCR5), TotalSeq™-D0144 anti-human CD185 (CXCR5), PE/Cyanine5 anti-human CD185 (CXCR5), PE/Fire™ 700 anti-human CD185 (CXCR5) Antibody, APC/Fire™ 810 anti-human CD185 (CXCR5) Antibody

## Product Data



Human peripheral blood lymphocytes were stained with CD19 APC and CD185 (clone J252D4) Brilliant Violet 711™ (top) or mouse IgG1, κ Brilliant Violet 711™ isotype control (bottom).



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