

## Purified anti-human CD185 (CXCR5) Antibody

<b>Catalog# / Size</b>	356901 / 25 µg 356902 / 100 µg
<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

---

<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.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<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.

### Product Citations

1. Lartey S, *et al.* 2020. J Infect Dis. 221:21. [PubMed](#)
2. Kaufmann M, *et al.* 2021. Med. 2(3):296-312.e8. [PubMed](#)
3. de Jong SE, *et al.* 2021. Nature Immunology. 22(5):654-665. [PubMed](#)
4. O'Boyle KC, *et al.* 2020. Methods Mol Biol. 2111:1. [PubMed](#)
5. Kim SJ, *et al.* 2017. Nat Immunol. 18:1016. [PubMed](#)
6. Eccles JD, *et al.* 2020. Cell Rep. 30:351. [PubMed](#)
7. Schulten V, *et al.* 2018. J Allergy Clin Immunol. 141:775. [PubMed](#)
8. Roussel M, *et al.* 2021. Cell Reports Medicine. 2(6):100291. [PubMed](#)
9. Majri SS, *et al.* 2018. J Immunol. 200:110. [PubMed](#)

<b>RRID</b>	AB_2561810 (BioLegend Cat. No. 356901) AB_2561811 (BioLegend Cat. No. 356902)
-------------	--

### 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>	<ol style="list-style-type: none"> <li>1. Ma CS, <i>et al.</i> 2012. <i>J. Exp. Med.</i> 209:1241.</li> <li>2. León B, <i>et al.</i> 2012. <i>Nat. Immunol.</i> 13:681.</li> <li>3. Crotty S. 2011. <i>Annu. Rev. Immunol.</i> 29:621.</li> <li>4. Kerfoot SM, <i>et al.</i> 2011. <i>Immunity</i> 34:947.</li> <li>5. Sáez de Guinoa J, <i>et al.</i> 2011. <i>Blood</i> 118:1560.</li> </ol>
<b>Gene ID</b>	<a href="#">643</a>

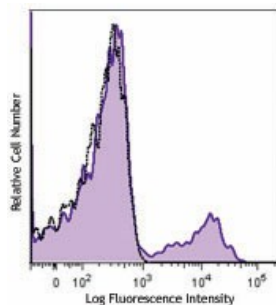
## Related Protocols

[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 purified human CD185 (CXCR5, clone J252D4, filled histogram), or purified mouse IgG1,  $\kappa$  isotype control (open histogram), followed by anti-mouse IgG PE.

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 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