

PE/Fire™ 744 anti-human CD185 (CXCR5) Antibody

Catalog# / Size	356967 / 25 tests 356968 / 100 tests
Clone	J252D4
Regulatory Status	RUO
Other Names	BLR1, MDR15
Isotype	Mouse IgG1, κ
Description	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

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human CXCR5-transfected cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Fire™ 744 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
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	<p>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 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>True-Stain Monocyte Blocker™ (Cat No. 426102) is recommended to minimize non-specific staining of PE/Fire™ 744 on monocytes and macrophages.</p> <p>* PE/Fire™ 744 has a maximum excitation of 565 nm and a maximum emission of 744 nm.</p>
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3699000 (BioLegend Cat. No. 356967) AB_3699000 (BioLegend Cat. No. 356968)

Antigen Details

Structure	G-protein coupled receptor, 7 transmembrane regions, 42 kD
Distribution	Mature B cells, Follicular helper T cells, and Burkitt's lymphoma cells.

Function	Mediates cell migration to the B cell follicles in the secondary lymphoid organs
Ligand/Receptor	CXCL13
Cell Type	B cells, Tfh
Biology Area	Cell Biology, Immunology, Neuroinflammation, Neuroscience
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR
Antigen References	<ol style="list-style-type: none"> 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.
Gene ID	643

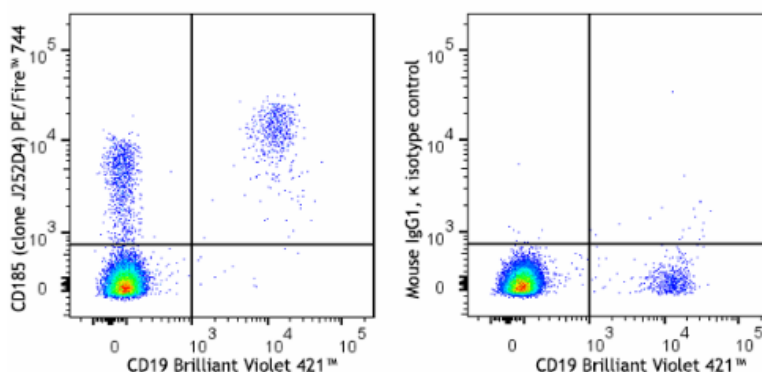
Related Protocols

- [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, PerCP/Fire™ 806 anti-human CD185 (CXCR5), PerCP/Fire™ 780 anti-human CD185 (CXCR5), Spark Red™ 718 anti-human CD185 (CXCR5), APC anti-human CD185, Brilliant Violet 510™ anti-human CD185 (CXCR5), Brilliant Violet 650™ anti-human CD185 (CXCR5), PE anti-human CD185, PE/Fire™ 744 anti-human CD185 (CXCR5) Antibody, StarBright UltraViolet 795 anti-human CD185 (CXCR5)

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD185 (clone HIB19) Brilliant Violet 421™ and anti-human CD185 (CXCR5) (clone J252D4) PE/Fire™ 744 or mouse IgG1, κ PE/Fire™ 744 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