

Brilliant Violet 605™ anti-human CD198 (CCR8) Antibody

Catalog# / Size	365809 / 25 tests
Clone	S19016H
Regulatory Status	RUO
Other Names	CC-CKR-8, C-C CKR-8, CCR-8, CC chemokine receptor 8, CDw198, CDw198 antigen, CD198, chemokine (C-C motif) receptor 8, chemokine (C-C) receptor 8, TER1, ChemR1, and CKR-L1
Isotype	Rat IgG2b, κ
Description	CCR8, also known as ChemR1, TER1, and CKR-L1, belongs to the beta chemokine receptor family. It is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. CCR8 is expressed on some subsets of T cells, monocytes, macrophages, eosinophils, thymocytes, Langerhans cells, neurons, and vascular smooth muscle cells. Binding with its ligand CCL1, CCR8 plays a role in the regulation of monocyte chemotaxis and thymic cell apoptosis. It has been reported that CCR8 is also a receptor for CCL18. CCR8 is also believed to be an alternative coreceptor to CD4 for HIV-1 infection.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Human CCR8-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 Brilliant Violet 605™ 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>Brilliant Violet 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 605™ is a trademark of Sirigen Group Ltd.</p> <p>Learn more about Brilliant Violet™.</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>
Excitation Laser	Violet Laser (405 nm)

Application Notes Clone S19016H induces complement-dependent cytotoxicity (CDC) and antibody-dependent cellular phagocytosis (ADCP) on CCR8-transfected cells.

RRID AB_3683394 (BioLegend Cat. No. 365809)

Antigen Details

Structure Seven hydrophobic transmembrane domains

Distribution Vascular smooth muscle cells, macrophages, eosinophils, peritoneal macrophages, thymocytes, T cells, Langerhans cells and neurons

Cell Type Tregs

Molecular Family CD Molecules, Cytokine/Chemokine Receptors

Antigen References

1. Tiffany HL, *et al.* 1997. *J Exp Med.* 186:165-70.
2. Goya I, *et al.* 1998. *J Immunol.* 160:1975-81.
3. Lee S, *et al.* 2000. *J Virol.* 74:6946-52.
4. Chensue SW, *et al.* 2001. *J Exp Med.* 193:573-84.
5. Qu C, *et al.* 2004. *J Exp Med.* 200:1231-41.
6. Isolam SA, *et al.* 2013. *J Exp Med.* 210:1889-98.

Gene ID [1237](#)

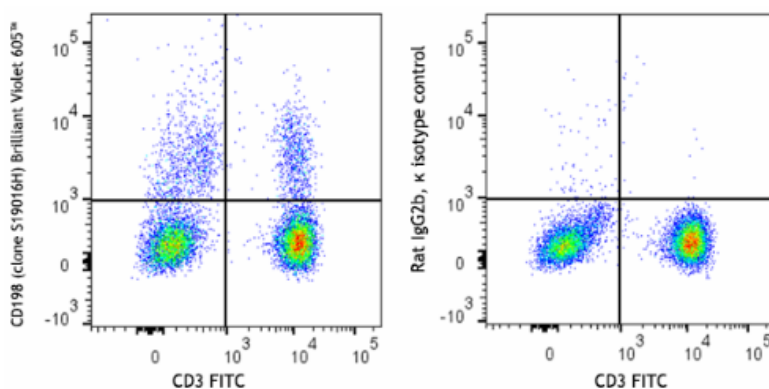
Related Protocols

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

Other Formats

PE anti-human CD198 (CCR8), Purified anti-human CD198 (CCR8), Ultra-LEAF™ Purified anti-human CD198 (CCR8), APC anti-human CD198 (CCR8), Brilliant Violet 605™ anti-human CD198 (CCR8), PE/Cyanine5 anti-human CD198 (CCR8), Brilliant Violet 421™ anti-human CD198 (CCR8), PerCP/Cyanine5.5 anti-human CD198 (CCR8), Brilliant Violet 711™ anti-human CD198 (CCR8), Brilliant Violet 785™ anti-human CD198 (CCR8) Antibody, PE/Dazzle™ 594 anti-human CD198 (CCR8) Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 FITC and anti-human CD198 (CCR8) (clone S19016H) Brilliant Violet 605™ (left), or rat IgG2b, κ Brilliant Violet 605™ isotype control (right).

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