

## PE/Dazzle™ 594 anti-human CD198 (CCR8) Antibody

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|--------------------------|---|
| <b>Catalog# / Size</b>   | 365823 / 25 tests<br>365824 / 100 tests   |
| <b>Clone</b>             | S19016H   |
| <b>Regulatory Status</b> | RUO   |
| <b>Other Names</b>       | 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  |
| <b>Isotype</b>           | Rat IgG2b, κ  |
| <b>Description</b>       | 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

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| <b>Verified Reactivity</b>    | Human  |
| <b>Antibody Type</b>          | Monoclonal   |
| <b>Host Species</b>           | Rat  |
| <b>Immunogen</b>              | Human CCR8-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 PE/Dazzle™ 594 under optimal conditions.  |
| <b>Concentration</b>          | Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)  |
| <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 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.<br><br>* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm. |
| <b>Excitation Laser</b>       | Blue Laser (488 nm)<br>Green Laser (532 nm)/Yellow-Green Laser (561 nm)  |
| <b>Application Notes</b>      | Clone S19016H induces complement-dependent cytotoxicity (CDC) and antibody-dependent cellular phagocytosis (ADCP) on CCR8-transfected cells.   |

### Antigen Details

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|---------------------|---|
| <b>Structure</b>    | Seven hydrophobic transmembrane domains   |
| <b>Distribution</b> | 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](#)

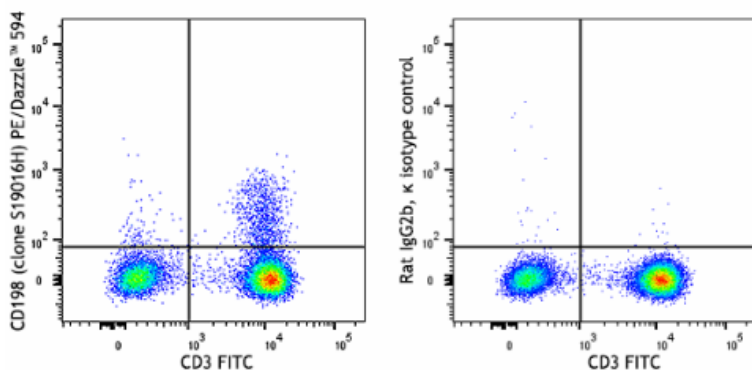
## Related Protocols

- [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 (clone SK7) FITC and anti-human CD198 (CCR8) (clone S19016H) PE/Dazzle™ 594 (left) or rat IgG2b, κ PE/Dazzle™ 594 isotype control (right).

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