

Brilliant Violet 510™ anti-mouse CD198 (CCR8) Antibody

Catalog# / Size	150347 / 50 µg
Clone	SA214G2
Regulatory Status	RUO
Workshop	HLDA11
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, CKR-L1, CKRL1, CMKBR8, CMKBRL2, CY6, C-C chemokine receptor type 8, Ter1
Isotype	Rat IgG2b, κ
Description	C-C chemokine receptor type 8 (CCR8) CD198, is a 41 kD G-protein coupled receptor with 7 transmembrane regions. CCR8 is expressed by a subset of thymocytes, Tregs, NKT and Th2-polarized cells, a subset of macrophages, monocytes, and monocyte-derived dendritic cells. CCR8 mediates chemotaxis toward its ligand CCL1, and is involved in apoptosis of thymocytes.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse CD198 (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 510™ under optimal conditions.
Concentration	0.2 mg/mL
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	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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 510™ excites at 405 nm and emits at 510 nm. The bandpass filter 510/50 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 510™ is a trademark of Sirigen Group Ltd.

[Learn more about Brilliant Violet™.](#)

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Excitation Laser

Violet Laser (405 nm)

Antigen Details

Structure	G-protein coupled receptor, 7 transmembrane regions, 41 kD.
Distribution	Thymocytes, Tregs, NKT and Th2-polarized cells, subset of macrophages, monocytes and monocyte-derived dendritic cells.
Function	Chemotaxis, involved in thymocyte apoptosis
Ligand/Receptor	CCL1 (SCY1,TCA-3)
Cell Type	Dendritic cells, Macrophages, Monocytes, NKT cells, Th2, Thymocytes, Tregs
Biology Area	Immunology
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR
Antigen References	1. Coghill JM, <i>et al.</i> 2013. <i>Blood</i> . 122:825. 2. Islam SA, <i>et al.</i> 2011. <i>Nat. Immunol.</i> 12:167. 3. Hoshino A, <i>et al.</i> 2007. <i>J. Immunol.</i> 178:5296. 3. Qu C, <i>et al.</i> 2004. <i>J. Exp. Med.</i> 200:1231.
Gene ID	12776

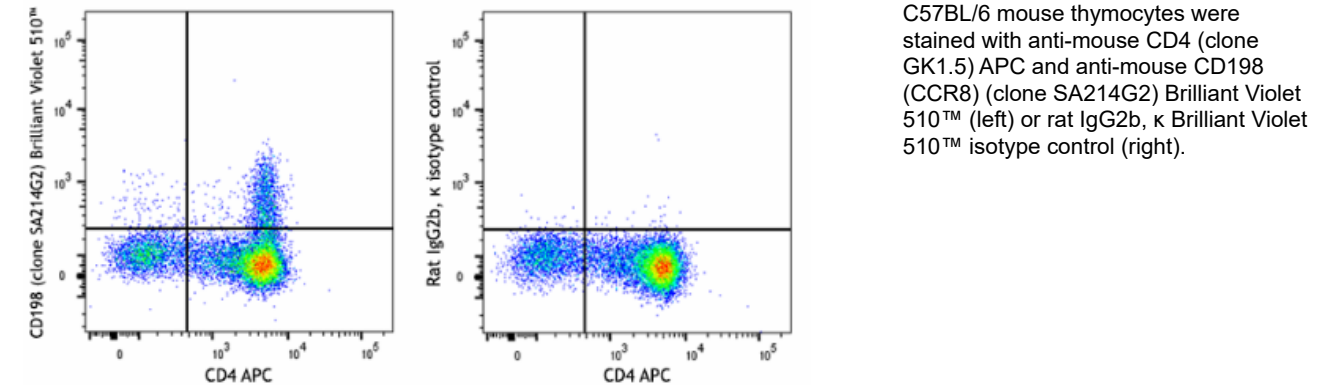
Related Protocols

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

Other Formats

PE/Dazzle™ 594 anti-mouse CD198 (CCR8) Antibody, TotalSeq™-B0907 anti-mouse CD198 (CCR8), Alexa Fluor® 488 anti-mouse CD198 (CCR8) Antibody, PE/Cyanine5 anti-mouse CD198 (CCR8), TotalSeq™-A0907 anti-mouse CD198 (CCR8), KIRAVIA Blue 520™ anti-mouse CD198 (CCR8) Antibody, Ultra-LEAF™ Purified anti-mouse CD198 (CCR8), Spark NIR™ 685 anti-mouse CD198 (CCR8), Alexa Fluor® 700 anti-mouse CD198 (CCR8), Purified anti-mouse CD198 (CCR8), PerCP/Cyanine5.5 anti-mouse CD198 (CCR8), PE anti-mouse CD198 (CCR8), Brilliant Violet 421™ anti-mouse CD198 (CCR8), Alexa Fluor® 647 anti-mouse CD198 (CCR8), Biotin anti-mouse CD198 (CCR8), APC/Fire™ 750 anti-mouse CD198 (CCR8), Brilliant Violet 605™ anti-mouse CD198 (CCR8), Brilliant Violet 510™ anti-mouse CD198 (CCR8), Brilliant Violet 711™ anti-mouse CD198 (CCR8), FITC anti-mouse CD198 (CCR8), APC anti-mouse CD198 (CCR8), PerCP/Fire™ 780 anti-mouse CD198 (CCR8) Antibody, PerCP/Fire™ 806 anti-mouse CD198 (CCR8) Antibody, TotalSeq™-C0907 anti-mouse CD198 (CCR8)

Product Data



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