

PerCP/Fire™ 780 anti-mouse CD198 (CCR8) Antibody

Catalog# / Size	150343 / 25 µg 150344 / 100 µg
Clone	SA214G2
Regulatory Status	RUO
Other Names	CDw198, C-C chemokine receptor type 8, CKR-8, CC-CKR-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
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 780 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 ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Fire 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3683166 (BioLegend Cat. No. 150343) AB_3683166 (BioLegend Cat. No. 150344)

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	<ol style="list-style-type: none"> 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

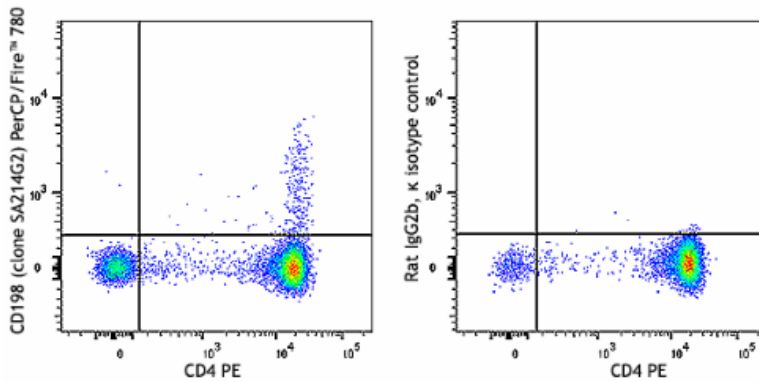
Related Protocols

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

Other Formats

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

Product Data



C57BL/6 mouse thymocytes were stained with anti-mouse CD4 (clone GK1.5) PE and anti-mouse CD198 (CCR8) (clone SA214G2) PerCP/Fire™ 780 (left) or rat IgG2b, κ PerCP/Fire™ 780 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