

Biotin anti-mouse CD192 (CCR2) Antibody

Catalog# / Size	150623 / 100 µg
Clone	SA203G11
Regulatory Status	RUO
Other Names	Ccr2, Ckr2, Ccr2a, Ccr2b
Isotype	Rat IgG2b, κ
Description	CD192, also known as CCR2, is a 42 kD G-protein coupled receptor that is associated with bone marrow homeostasis. Specifically, CD192 mediates monocyte chemotaxis and acts as a receptor for monocyte chemoattractant protein 1 (MCP-1). CD192 is primarily expressed on monocytes and macrophages, with some expression on basophils. It is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis and cancer.

Product Details

Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse CCR2 transfectants.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. 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.
RRID	AB_2734215 (BioLegend Cat. No. 150623)

Antigen Details

Structure	G-protein-coupled receptor, 7-transmembrane protein, 42 kD.
Distribution	Monocytes/macrophages and basophils.
Function	Mediator of monocyte chemotaxis and bone marrow homeostasis.
Ligand/Receptor	MCP-1, Ccl2, Ccl7, and Ccl13.
Cell Type	Basophils, Macrophages, Monocytes
Biology Area	Immunology
Molecular Family	CD Molecules, Cytokine/Chemokine Receptors, GPCR
Antigen References	1. Mack M, <i>et al.</i> 2001. <i>J. Immunol.</i> 166:4697. 2. Dutta P, <i>et al.</i> 2015. <i>Cell Stem Cell.</i> 16:477. 3. Li L, <i>et al.</i> 2008. <i>Kidney Int.</i> 74:1526.

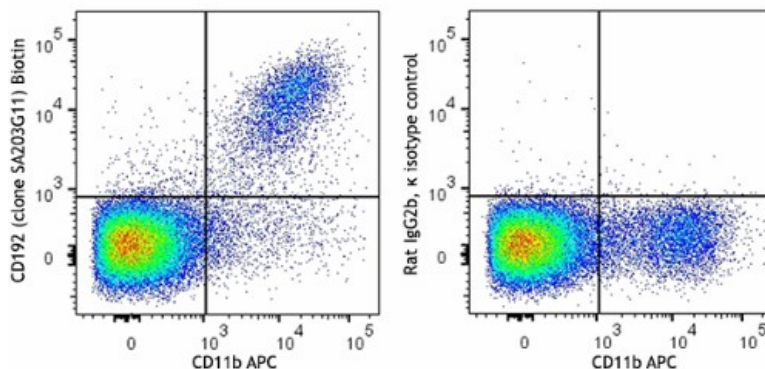
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Alexa Fluor® 647 anti-mouse CD192 (CCR2), Brilliant Violet 421™ anti-mouse CD192 (CCR2), PE anti-mouse CD192 (CCR2), PE/Cyanine7 anti-mouse CD192 (CCR2), FITC anti-mouse CD192 (CCR2), Brilliant Violet 605™ anti-mouse CD192 (CCR2), Brilliant Violet 650™ anti-mouse CD192 (CCR2), Brilliant Violet 785™ anti-mouse CD192 (CCR2), Brilliant Violet 510™ anti-mouse CD192 (CCR2), Biotin anti-mouse CD192 (CCR2), TotalSeq™-A0426 anti-mouse CD192 (CCR2), APC anti-mouse CD192 (CCR2), APC/Fire™ 750 anti-mouse CD192 (CCR2), TotalSeq™-B0426 anti-mouse CD192 (CCR2), TotalSeq™-C0426 anti-mouse CD192 (CCR2), PE/Cyanine5 anti-mouse CD192 (CCR2), PE/Dazzle™ 594 anti-mouse CD192 (CCR2)

Product Data



C57BL/6 bone marrow was stained with Ly-6G (clone 1A8) Alexa Fluor® 488 , CD11b (clone M1/70) APC, and CD192 (clone SA203G11) Biotin (left) or rat IgG2b, κ isotype control (right) followed by PE Streptavidin. Dot plots are gated on Ly-6G⁻ cells.

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