

Brilliant Violet 785™ anti-mouse CD192 (CCR2)

Catalog # / Size: 1353105 / 50 µg

Clone: SA203G11

Isotype: Rat IgG2b, κ

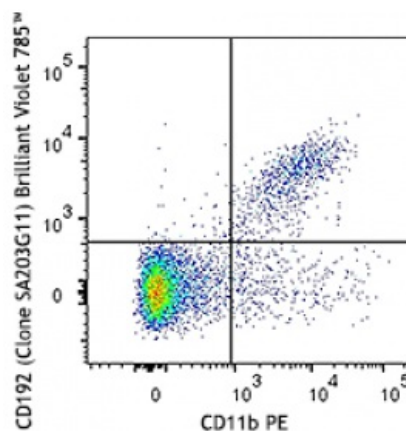
Immunogen: Mouse CCR2 transfectants.

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 785™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 785™ and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Concentration: 0.2 mg/ml



C57BL/6 bone marrow was stained with Ly-6G (clone 1A8) Alexa Fluor® 647

Applications:

Applications: Flow Cytometry

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 ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 785™ excites at 405 nm and emits at 785 nm. The bandpass filter 780/60 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 785™ is a trademark of Sirigen Group Ltd.

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Application References:

1. Mack M, *et al.* 2001. *J. Immunol.* 166:4697.
2. Dutta P, *et al.* 2015. *Cell Stem Cell.* 16:477.
3. Li L, *et al.* 2008. *Kidney Int.* 74:1526.

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.

Antigen 1. Mack M, *et al.* 2001. *J. Immunol.* 166:4697.

- References:**
2. Dutta P, *et al.* 2015. *Cell Stem Cell*. 16:477.
 3. Li L, *et al.* 2008. *Kidney Int.* 74:1526.