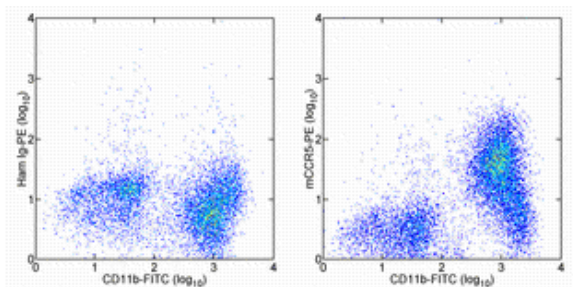


Anti-Mouse CD195 (CCR5) PE

Catalog Number: 12-1951

Also Known As: MIP-1 alpha Receptor C-C chemokine receptor type 5, Ccr5

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of FcR-blocked (Anti-Mouse CD16/CD32 Purified, cat. 14-0161) BALB/c thioglycolate-induced peritoneal exudate cells with Anti-Mouse CD11b FITC (cat. 11-0112) and 0.5 µg of Armenian Hamster IgG Isotype Control PE (cat. 12-4888) (left) or 0.5 µg of Anti-Mouse CD195 (CCR5) (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD195 (CCR5) PE

REF **Catalog Number:** 12-1951

Clone: HM-CCR5 (7A4)

Concentration: 0.2 mg/mL

Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

CCR5 is the major co-receptor for macrophage-tropic isolates of HIV-1. CCR5, also known as CD195, is a seven transmembrane chemokine receptor capable of binding RANTES, MIP-1 alpha and MIP-1 beta. Knockout mice show a decreased recruitment of macrophages and increased susceptibility to infection. Protein and mRNA has been found in macrophages from thioglycolate-treated and activated T cells.

The HM-CCR5(7A4) monoclonal antibody binds the N terminal extracellular domain of mouse CCR5 with no crossreactivity to human CCR5.

Applications Reported

This HM-CCR5 (7A4) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HM-CCR5 (7A4) antibody has been tested by flow cytometric analysis of mouse thioglycolate-elicited peritoneal-exudate cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Zhou Y, Kurihara T, Ryseck RP, Yang Y, Ryan C, Loy J, Warr G, Bravo R. Impaired macrophage function and enhanced T cell-dependent immune response in mice lacking CCR5, the mouse homologue of the major HIV-1 coreceptor. J Immunol. 1998 Apr 15;160(8):4018-25.

Meyer A, Coyle AJ, Proudfoot AE, Wells TN, Power CA. Cloning and characterization of a novel murine macrophage inflammatory protein-1 alpha receptor. J Biol Chem. 1996 Jun 14;271(24):14445-51.

Related Products

11-0112 Anti-Mouse CD11b FITC (M1/70)
12-1957 Anti-Human CD195 (CCR5) PE (eBioT21/8 (T21/8))
12-4888 Armenian Hamster IgG Isotype Control PE (eBio299Arm)
14-0161 Anti-Mouse CD16/CD32 Purified (93)

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