

CD195 (CCR5) Monoclonal Antibody (HM-CCR5 (7A4)), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HM-CCR5 (7A4)
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_657684

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	11 Publications

Product Specific Information

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.

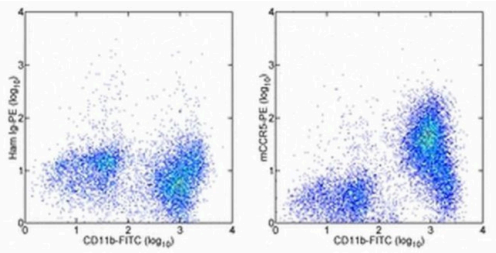
Applications Reported: This HM-CCR5 (7A4) antibody has been reported for use in flow cytometric analysis.

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.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD195 (CCR5) Monoclonal Antibody (HM-CCR5 (7A4)), PE, eBioscience™



CD195 (CCR5) Antibody (12-1951-82) in Flow
Staining of FcR-blocked (Anti-Mouse CD16/CD32 Purified, Product # 14-0161-82) BALB/c thioglycolate-induced peritoneal exudate cells with Anti-Mouse CD11b FITC (Product # 11-0112-41) and 0.5 µg of Armenian Hamster IgG Isotype Control PE (Product # 12-4888-81) (left) or 0.5 µg of Anti-Mouse CD195 (CCR5) (right). Total viable cells were used for analysis.

11 References

Flow Cytometry (11)

<p>Journal of neuroinflammation</p> <p>Visceral adipose tissue imparts peripheral macrophage influx into the hypothalamus.</p> <p>"12-1951-82 was used in Flow Cytometry to demonstrate a new connection between the adipose tissue and the hypothalamus in obesity that contributes to neuroinflammation and hypothalamic pathologies."</p> <p>Authors: Chen KE,Lainez NM,Nair MG,Coss D</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:400</p>
<p>Frontiers in immunology</p> <p>The Transcription Factor NFATc1 Supports the Rejection of Heterotopic Heart Allografts.</p> <p>"12-1951 was used in Flow cytometry/Cell sorting to show that the activity of nuclear factors of activated T cells-c1 supports the acute rejection of heterotopic heart allografts."</p> <p>Authors: Baur J,Otto C,Steger U,Klein-Hessling S,Muhammad K,Pusch T,Murti K,Wismer R,Germer CT,Klein I,Müller N, Serfling E,Avots A</p>	<p>Year 2019</p> <p>Species Mouse</p>

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