

CD195 (CCR5) Monoclonal Antibody (HM-CCR5 (7A4)), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HM-CCR5 (7A4)
Conjugate	APC
Excitation/Emission Max	651/660 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_2802223

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1.0 µg/test	1 Publication

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.

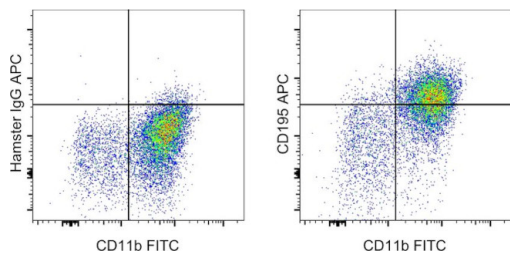
The HM-CCR5(7A4) monoclonal antibody binds the N terminal extracellular domain of mouse CCR5 with no crossreactivity to human CCR5.

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

Applications Tested: This HM-CCR5 antibody has been tested by flow cytometric analysis of thioglycolate-induced peritoneal exudate cells. This may be used at less than or equal to 1.0 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser

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



CD195 (CCR5) Antibody (17-1951-82) in Flow
Staining of FcR-blocked (Anti-Mouse CD16/CD32 Purified, Product # 14-0161-82) C57BL/6 mouse thioglycolate-elicited peritoneal exudate cells with CD11b Monoclonal Antibody, FITC (Product # 11-0112-82) and 1.0 µg of Armenian Hamster IgG Isotype Control, APC (Product # 17-4888-82) (left) or 1.0 µg of CD195 Monoclonal Antibody, APC (right). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

2 References

Immunocytochemistry (1)

The EMBO journal	Year 2020
LRRK2 and Rab10 coordinate macropinocytosis to mediate immunological responses in phagocytes.	Species Mouse
"17-1951-80 was used in Immunocytochemistry to support a novel signaling axis in the endolysosomal system whereby LRRK2-mediated Rab10 phosphorylation stalls vesicle fast recycling to promote PI3K-Akt immunological responses."	
Authors: Liu Z,Xu E,Zhao HT,Cole T,West AB	

Flow Cytometry (1)

International journal of molecular sciences	Year 2019
Growth Factor Screening in Dystrophic Muscles Reveals PDGFB /PDGFRB-Mediated Migration of Interstitial Stem Cells.	
"Published figure using CD195 (CCR5) monoclonal antibody (Product # 17-1951-82) in Flow Cytometry"	
Authors: Camps J,Grosemans H,Gijsbers R,Maes C,Sampaolesi M	

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