

CD195 (CCR5) Monoclonal Antibody (NP-6G4), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	NP-6G4
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572593

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	7 Publications

Product Specific Information

Description: The NP-6G4 monoclonal antibody reacts with human CD195 (CCR5), an approximately 45 kDa member of the G protein-coupled receptor (GPCR) superfamily that binds chemokines including MIP-1a, MIP-1b and RANTES. Human CCR5 is expressed on resting T cells with a memory/effector phenotype, monocytes, macrophages and immature dendritic cells. CCR5 functions as a receptor to direct the chemotaxis of lymphocytes, and is the primary co-receptor for macrophage-tropic Human Immunodeficiency Virus Type 1 (HIV-1), which binds CCR5 through gp120.

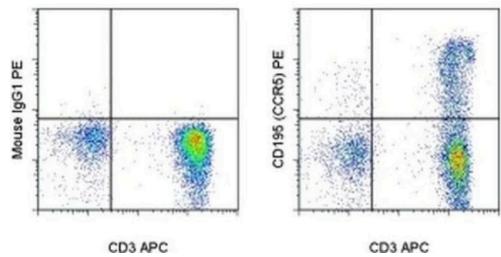
Applications Reported: This NP-6G4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This NP-6G4 antibody has been pre-titrated and tested on normal human peripheral blood cells. For optimal performance, it is recommended that staining with NP-6G4 be done at 37°C for 1 hour in Flow Cytometry Staining Buffer (cat. 00-4222). This can be used at 5 µL (0.125 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.

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 (NP-6G4), PE, eBioscience™



CD195 (CCR5) Antibody (12-1956-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD3 APC (Product # 17-0037-42) and 0.125 µg of Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or 0.125 µg of Anti-Human CD195 (CCR5) PE (Product # 12-4714-81) (right). Staining was performed at 37°C for hour and cells in the lymphocyte gate were used for analysis.

7 References

Flow Cytometry (7)

<p>Reproductive biology and endocrinology : RB&E</p> <p>Recombinant human IL-37 inhibited endometriosis development in a mouse model through increasing Th1/Th2 ratio by inducing the maturation of dendritic cells.</p> <p>"12-1956-42 was used in Flow cytometry/Cell sorting to study recombinant human IL-37 (rhIL-37) is an inhibitor of inflammation."</p> <p>Authors: Li L,Liao Z,Ye M,Jiang J</p>	<p>Year 2021</p> <p>Species Mouse</p>
<p>Oncology letters</p> <p>Application of the chemokine-chemokine receptor axis increases the tumor-targeted migration ability of cytokine-induced killer cells in patients with colorectal cancer.</p> <p>"12-1956 was used in Flow cytometry/Cell sorting to demonstrate that modification of the CK-CKR axis using exogenous recombinant chemokines at the proper time point enhanced CIK cell trafficking ability and improved CIK antitumor effects."</p> <p>Authors: Zou Y,Liang J,Li D,Fang J,Wang L,Wang J,Zhang J,Guo Q,Yan X,Tang H</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:20</p>

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