

# CD195 (CCR5) Monoclonal Antibody (eBioT21/8 (T21/8)), PE, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	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	eBioT21/8 (T21/8)
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10854123

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

## Product Specific Information

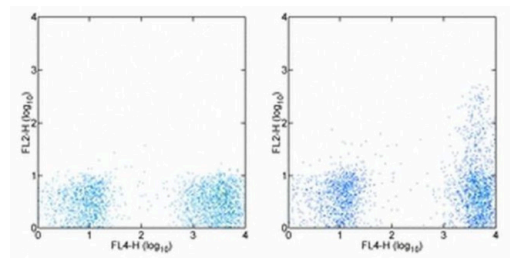
**Description:** The eBioT21/8 monoclonal antibody reacts with the amino terminus of human CCR5 (CD195), an approximately 45 kDa member of the G protein-coupled receptor (GPCR) superfamily that binds chemokines including MIP-1alpha, MIP-1beta and RANTES. Human CCR5 is expressed on resting T cells with 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. Binding of the eBioT21/8 monoclonal antibody displays donor variability and may be affected by sub-optimal staining conditions.

**Applications Reported:** This eBioT21/8 (T21/8) antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This eBioT21/8 (T21/8) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. For optimal performance, it is recommended that staining with eBioT21/8 be done at room temperature or 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

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

**Filtration:** 0.2 µm post-manufacturing filtered.



**CD195 (CCR5) Antibody (12-1957-41) in Flow**

Staining of normal human peripheral blood cells with Anti-Human CD3 APC (Product # 17-0038-42) and Mouse IgG1 kappa Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD195 (CCR5) PE (right). Cells in the lymphocyte gate were used for analysis.

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