CD199 (CCR9) Monoclonal Antibody (BBC3M4), PE, eBioscience™

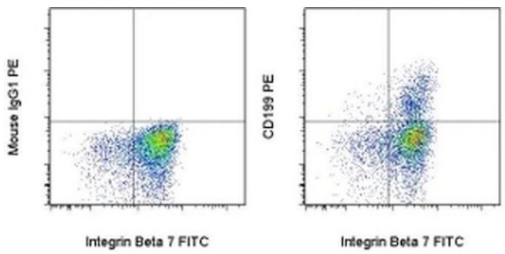
Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BBC3M4
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 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_2572595

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

Product Specific Information

Description: This BBC3M4 monoclonal antibody reacts with human CD199 (CCR9), a 7 transmembrane spanning G-protein-coupled receptor. CCR9 expression is regulated during thymic development and CCR9 deficiency results in mild impairment in thymocyte development. In the periphery, CCR9 and alpha 4 beta 7 integrin are upregulated in response to dendritic cell-derived retinoic acid, conferring preferential trafficking to gut-associated tissues. CCR9 is the receptor for CCL25 (TECK).^M
^M
Applications Reported: This BBC3M4 antibody has been reported for use in flow cytometric analysis.^M
^M
Applications Tested: This BBC3M4 antibody has been pre-titrated and tested by flow cytometric analysis of stimulated normal human peripheral blood cells. 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 10^5 to 10^8 cells/test.^M
^M
Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.^M
^M
Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD199 (CCR9) Monoclonal Antibody (BBC3M4), PE, eBioscience™



CD199 (CCR9) Antibody (12-1999-42) in Flow
CD4+ T cells isolated from normal human peripheral blood cells were stimulated for 3 days with all-trans retinoic acid, Anti-Human CD3, and Anti-Human CD28 Functional Grade Purifieds (Product # 16-0037-81 and Product # 16-0289-81). The cells were cultured for 2 additional days with all-trans retinoic acid and Human IL-2 Recombinant Protein (Product # 14-8029-81). These cells were surface stained with Anti-Human/Mouse Integrin beta 7 FITC (Product # 11-5867-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD199 (CCR9) PE (right). Total viable cells were used for analysis.