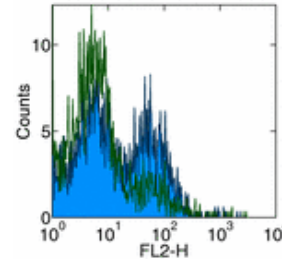


Product Information

Contents: Affinity Purified anti-human CCR7 (CD197)
Catalog Number: 14-9977
Sizes: 25 ug, 100 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: CCR7.6B3
Isotype: Mouse IgG1, κ



Surface staining of prelysed normal human peripheral blood cells with anti-human CD197 (CCR7) Purified followed by anti-mouse IgG Biotin and SA-PE. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
14-9977	Affinity Purified anti-human CCR7 (CD197, EBI-1)	N/A	N/A	FC

Description

The CCR7.6B3 monoclonal antibody reacts with human CCR7, also known as EBI-1 and CD197. CCR7 is a member of the G-protein-coupled chemokine receptor family with seven membrane-spanning domains and functions as a receptor for 6CKine/SLC (secondary lymphoid-tissue chemokine) and MIP-3β/ELC (EBI1-ligand chemokine). CCR7 is expressed predominantly on naive T cells characterized as CD45RA⁺CCR7⁺ in both CD4 and CD8 populations in peripheral blood as well as on dendritic cells.

Usage

For research use only, not for diagnostic or therapeutic use. CCR7.6B3 has been reported for use in flow cytometric analysis. It is recommended that a 3-step staining with anti-mouse IgG-Biotin and SAV-PE be used for detection. As the presence of anti-coagulant (EDTA, Heparin, Na-citrate) may adversely affect the binding of this antibody to the CCR7 antigen, it is recommended to use PBMC or pre-washed blood when staining with this mAb.

Applications Tested

The CCR7.6B3 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per 100 µl blood (or per 1 million cells in 100 µl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control

References

Hasegawa, H., T. Nomura, et al. (2000). Increased chemokine receptor CCR7/EBI1 expression enhances the infiltration of lymphoid organs by adult T-cell leukemia cells. *Blood* 95(1): 30-8.

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