

Human CCR7 Antibody

Recombinant Monoclonal Mouse IgG_{2A} Clone # 150503R-FAB2-TEV/His Catalog Number: MAB197R-FAB2

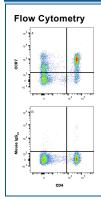
DESCRIPTION		
Species Reactivity	Human	
Specificity	Stains human CCR7 in flow cytometry	
Source	Recombinant Monoclonal Mouse IgG _{2A} Clone # 150503R-FAB2-TEV/His	
Purification	Protein A or G purified from cell culture supernatant	
Immunogen	Human CCR7 transfectants Met1-Pro378 Accession # AAA58615	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

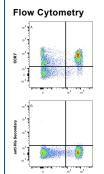
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25 μg/10 ⁶ cells	PBMC lymphocytes

DATA



Detection of CCR7 in Human Lymphocytes by Flow Cytometry with anti-Mouse Secondary Antibody. Human peripheral blood ymphocytes were stained with (A) Mouse Anti-Human CCR7 FAB2 Recombinant Monoclonal Antibody (Catalog # MAB197R-FAB2) or (B) Mouse IgG2A isotype control antibody (Catalog # MAB003), followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B) and Mouse anti-Human CD4 PE-conjugated Monoclonal Antibody (Catalog # FAB3791P). Staining was performed using our Staining Membrane-Associated Proteins protocol.



Detection of CCR7 in Human Lymphocytes by Flow Cytometry with anti-His antibody. Human peripheral blood lymphocytes were stained with (A) Mouse Anti-Human CCR7 FAB2 Recombinant Monoclonal Antibody (Catalog # MAB197R-FAB2) or (B) Mouse IgG2A isotype control antibody (Catalog # MAB003), followed by PEconjugated Anti-His Antibody (Catalog # IC050P) and Mouse anti-Human CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB3791A). Staining was performed using our Staining Membrane-Associated Proteins protocol.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CCR7 (Chemokine Receptor 7; also CD197) is a 7 transmembrane (7TM) G protein-coupled chemokine receptor for the homeostatic chemokines CCL19/MIP-3 beta and CCL21/6Ckine. CCL19 and CCL21 are constitutively expressed by high endothelial venule epithelial cells or fibroblastic reticular cells in secondary lymphoid organs. CCR7 is upregulated on dendritic cells, naïve and memory T cells, Treg, NK cells, and B cells following inflammatory stimulation. Its expression enables the function of immune cell trafficking to and retention in regional lymph nodes for expansion of the adaptive immune response. Human CCR7 shares 87% amino acid sequence identity with mouse CCR7.

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