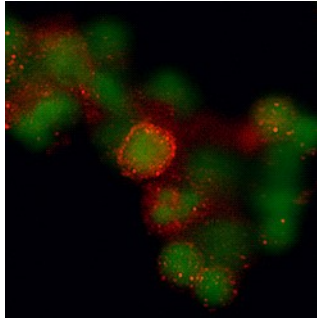
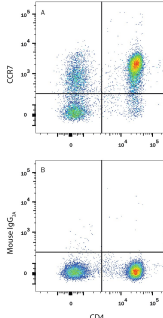
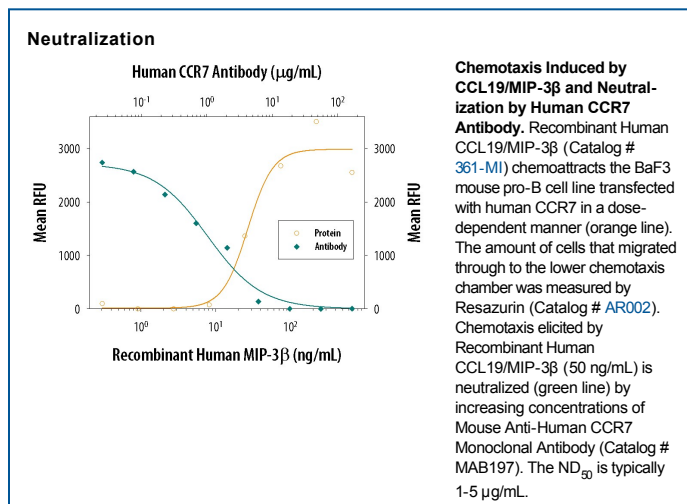


DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human CCR7.
Source	Monoclonal Mouse IgG _{2A} Clone # 150503
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human CCR7 transfectants Met1-Pro378 Accession # AAA58615
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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 as a 0.2 µm filtered solution in PBS.

APPLICATIONS		
Please Note: Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	Recommended Concentration	Sample
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
Immunocytochemistry	8-25 µg/mL	See Below
CyTOF-reported	Mei, H.E. <i>et al.</i> (2015) <i>J. Immunol.</i> 194 : 2022. Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Neutralization	Measured by its ability to neutralize CCL19/MIP-3β-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR7. The Neutralization Dose (ND ₅₀) is typically 1-5 µg/mL in the presence of 50 ng/mL Recombinant Human CCL19/MIP-3β.	

DATA	
<p>Immunocytochemistry</p>  <p>CCR7 in Human PBMCs. CCR7 was detected in immersion fixed human peripheral blood mononuclear cells (PBMCs) using 25 µg/mL Mouse Anti-Human CCR7 Monoclonal Antibody (Catalog # MAB197) for 3 hours at room temperature. Cells were stained (red) and counterstained (green). View our protocol for Fluorescent ICC Staining of Non-adherent Cells.</p>	<p>Flow Cytometry</p>  <p>Detection of CCR7 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with Mouse Anti-Human CD4 PE-conjugated Monoclonal Antibody (Catalog # FAB3791P) and either (A) Mouse Anti-Human CCR7 Monoclonal Antibody (Catalog # MAB197) or (B) Mouse IgG_{2A} Isotype Control (Catalog # MAB003) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.</p>



PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

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 is a 7 transmembrane G protein coupled chemokine receptor. CCR7 is expressed on T cells and mature dendritic cells and transduces chemotactic signals in response to CCL19 and CCL21. Human CCR7 shares 87% amino acid sequence identity with mouse CCR7.