

Human CCR7 Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2600G Catalog Number: MAB1971

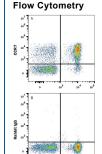
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human CCR7 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2600G
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human CCR7 Accession # P32248
Formulation	Lyophilized 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	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



Detection of CCR7 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were stained with (A) Rabbit Anti-Human CCR7 Monoclonal Antibody (Catalog # MAB1971) or (B) Rabbit IgG Isotype Control (Catalog # Catalog # MAB1050) followed by PE-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # Catalog # F0110) and Mouse Anti-Human CD4 APC-conjugated Monoclonal Antibody (Catalog # Catalog # FAB3791A). View our protocol for Staining Membrane-associated Proteins.

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.	

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

 12 months from date of receipt, -20 to -70 °C as supplied.
 - 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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