

Human CCR9 Antibody

Monoclonal Mouse IgG_{2A} Clone # 248621 Catalog Number: MAB1791

DESCRIPTION

Species Reactivity Human

Specificity Detects human CCR9.

Source Monoclonal Mouse IgG_{2A} Clone # 248621

Purification Protein A or G purified from hybridoma culture supernatant

Immunogen Human CCR9 transfectants
Met1-Leu369
Accession # P51686

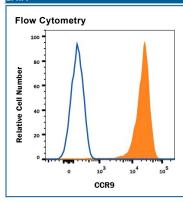
Formulation Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.
*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

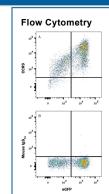
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	$0.25~\mu g/10^6~cells$	See Below
Immunocytochemistry	8-25 μg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

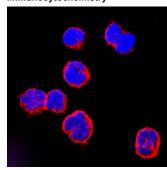


Detection of CCR9 in Human MOLT-4 cells by Flow Cytometry. MOLT-4 human acute lymphoblastic leukemia cell line was stained with Mouse Anti-Human CCR9 Monoclonal Antibody (Catalog # MAB1791, filled histogram) or Mouse IgG2A Flow Cytometry Isotype Control (Catalog # MAB003) followed by PE-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). View our protocol for Staining Membrane-associated Proteins.



Detection of CCR9 in HEK293 Human Cell Line Transfected with Human CCR9 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human CCR9 and eGFP was stained with (A) Mouse Anti-Human CCR9 Monoclonal Antibody (Catalog # MAB1791) or (B) Mouse IgG2A isotype control antibody (Catalog # MAB003) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.

Immunocytochemistry



CCR9 in MOLT-4 Human Cell Line. CCR9 was detected in immersion fixed MOLT-4 human acute lymphoblastic leukemia cell line using Mouse Anti-Human CCR9 Monoclonal Antibody (Catalog # MAB1791) at 25 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights ™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to plasma membrane and cytoplasm. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

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 $^{\circ}$ C

- 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.

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BACKGROUND

CCR9 is a G protein-linked seven transmembrane domain cytokine receptor. CCR9 serves as a receptor for CCL25/TECK. It is expressed on mature and immature thymocytes and some peripheral T and B cells.

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