

DESCRIPTION

Species Reactivity	Human
Specificity	Specifically stains human CCR9 transfectants and MOLT-4 cells. It does not react with the parental BaF3 cells or human CCR7-transfected BaF3 cells.
Source	Monoclonal Mouse IgG _{2A} Clone # 112509
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	BaF3 mouse pro-B cell line transfected with human CCR9 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.

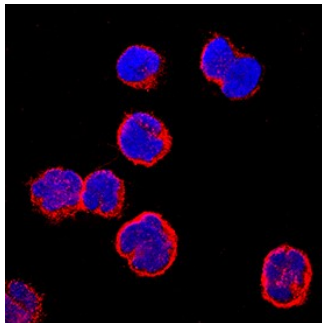
APPLICATIONS

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	2.5 µg/10 ⁶ cells	MOLT-4 human acute lymphoblastic leukemia cell line
Immunocytochemistry	15-25 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human thymus
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

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 # MAB179) 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 membranes. 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 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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

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.